

# LI 系列 SERIES

Long life

RoHS

- LI 系列长寿命化产品。  
Long life version of LI series
- 保证 85℃、5000 小时寿命。(叠加纹波电流)  
Endurance with ripple current: 5000 hours at 85℃
- 额定工作电压范围: 16V~650V  
Rated voltage range: 16V-650V
- 适合转换电源及变频器等平滑用。  
Ideal for switching power and inverter smoothing capacitors

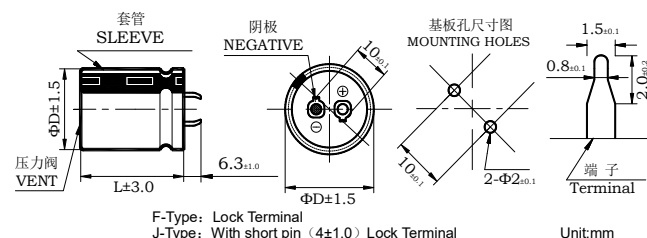
## 规格表 SPECIFICATIONS

| 项 目<br>Items                                     | 特 性<br>Characteristics                                                                                                                                                                                                                                                                                               |        |      |         |      |      |      |         |          |         |         |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---------|------|------|------|---------|----------|---------|---------|
| 工作温度范围<br>Operating Temperature Range            | -40~+85℃                                                                                                                                                                                                                                                                                                             |        |      |         |      |      |      |         | -25~+85℃ |         |         |
| 额定工作电压范围<br>Rated Working Voltage Range          | 16~100V                                                                                                                                                                                                                                                                                                              |        |      |         |      |      |      |         | 160~650V |         |         |
| 静电容量允许偏差<br>Capacitance Tolerance                | ±20% (20℃,120Hz)                                                                                                                                                                                                                                                                                                     |        |      |         |      |      |      |         |          |         |         |
| 损耗角正切值<br>Dissipation Factor (MAX)<br>20℃, 120Hz | U <sub>R</sub> (V)                                                                                                                                                                                                                                                                                                   | 16     | 25   | 35      | 50   | 63   | 80   | 100     | 160~315  | 350~400 | 450~650 |
|                                                  | tanδ                                                                                                                                                                                                                                                                                                                 | 0.50   | 0.45 | 0.40    | 0.35 | 0.30 | 0.25 | 0.20    | 0.15     | 0.15    | 0.20    |
| 阻抗比<br>Impedance Ratio (MAX) 120Hz               | U <sub>R</sub> (V)                                                                                                                                                                                                                                                                                                   | 16~100 |      | 160~200 |      | 250  | 315  | 350~400 |          | 450~650 |         |
|                                                  | Z <sub>-25℃</sub> / Z <sub>+20℃</sub>                                                                                                                                                                                                                                                                                | 4      |      | 3       |      | 4    | 7    | 7       |          | 8       |         |
|                                                  | Z <sub>-40℃</sub> / Z <sub>+20℃</sub>                                                                                                                                                                                                                                                                                | 18     |      |         |      |      |      |         |          |         |         |
|                                                  |                                                                                                                                                                                                                                                                                                                      |        |      |         |      |      |      |         |          |         |         |
| 漏电流<br>Leakage Current (MAX)                     | I=0.01C <sub>R</sub> U <sub>R</sub> 或 1.5mA 取小者 (20℃, 施加额定电压 5 分钟后)<br>I=0.01C <sub>R</sub> U <sub>R</sub> or 1.5mA whichever is minimum. (at 20℃, After 5 minutes application of rated voltage)<br>I=漏电流 (μA) U <sub>R</sub> =额定电压 (V) C <sub>R</sub> =静电容量 (μF)<br>Leakage Current Rated Voltage Rated Capacitance |        |      |         |      |      |      |         |          |         |         |

|                                                                                                                                | 使用寿命<br>Useful Life                                         |                                                                 | 负荷寿命<br>Load Life                             | 耐久性特性<br>Endurance Test                          | 高温无负荷特性<br>Shelf Life                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 产品寿命<br>Life Time                                                                                                              | 6000h                                                       | >100000h                                                        | 5000h                                         | 5000h                                            | 1000h                                                                                                                                                               |
| 漏电流<br>Leakage Current                                                                                                         | ≤规定值<br>≤Specified value                                    |                                                                 | ≤规定值<br>≤Specified value                      | ≤规定值<br>≤Specified value                         | ≤规定值<br>≤Specified value                                                                                                                                            |
| 损耗角正切值变化率<br>tanδ Change                                                                                                       | ≤规定值的 300%<br>≤300% of specified value                      |                                                                 | ≤规定值的 200%<br>≤200% of specified value        | ≤规定值的 200%<br>≤200% of specified value           | ≤规定值的 200%<br>≤200% of specified value                                                                                                                              |
| 静电容量变化率<br>Capacitance Change                                                                                                  | 初始值±30%以内<br>Within±30% of initial value                    |                                                                 | 初始值±20%以内<br>Within±20% of initial value      | 初始值±20%以内<br>Within±20% of initial value         | 初始值±20%以内<br>Within±20% of initial value                                                                                                                            |
| 施加条件 Condition<br>施加电压 Applied Voltage<br>施加纹波电流 Applied Ripple Current<br>环境温度 Applied Temperature<br>失效等级 Failure Rate Level | U <sub>R</sub><br>I <sub>R</sub><br>85℃<br>≤1% Failure rate | U <sub>R</sub><br>1.2×I <sub>R</sub><br>40℃<br>≤1% Failure rate | U <sub>R</sub><br>I <sub>R</sub><br>85℃<br>0% | U <sub>R</sub><br>I <sub>R</sub> =0<br>85℃<br>0% | U <sub>R</sub> =0<br>I <sub>R</sub> =0<br>85℃<br>0%<br>Back up to 20℃ and placed more than 24 hours.<br>U <sub>R</sub> to be applied for 60 min before measurement. |

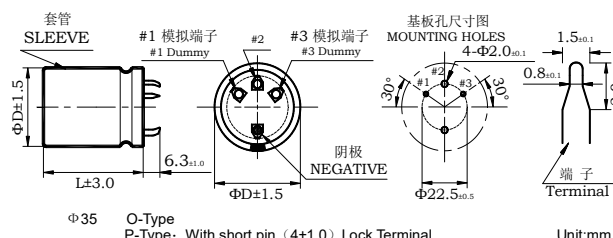
## 尺寸图 Dimensions

### ●常用端子型式代码: Terminal Code



F-Type: Lock Terminal  
J-Type: With short pin (4±1.0) Lock Terminal

Unit:mm



Φ35 O-Type  
P-Type: With short pin (4±1.0) Lock Terminal

Unit:mm

●记载以外的端子形状, 请另行咨询。Please ask for advice for other sizes.

## 产品编码体系 PART NUMBER SYSTEM

●例如: Example LI 400V470μF Φ35×50 ±20%

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

L I G 4 7 1 M 3 5 0 5 0 F V A

客户特殊要求 Special requirement  
套管材质代码 Sleeve Code  
端子型式代码 Lead Form Code  
高度代码 (例: 50→050) The height of the code (mm)  
直径代码 (例: 35→35, 22→22) Diameter code (mm)  
容差代码 (例: ±20%→M, ±10%→K) Capacitance Tolerance code  
容量代码 (例: 470→471, 2200→222) Capacitance Code (μF)  
电压代码 (例: 400V→G, 500V→C) Rated Voltage Code (V)  
产品系列代码 (例: LI→LI) Series Code

## 纹波电流修正系数 Rated Ripple Current Multiplies

| 频率修正系数 Frequency coefficient   |                       | 频率 (Hz) Frequency  |           |      |      |      |
|--------------------------------|-----------------------|--------------------|-----------|------|------|------|
| 电压范围 (V)<br>Rated voltage      | 频率 (Hz)<br>Frequency  | 50 (60)            | 100 (120) | 300  | 1k   | ≥10k |
|                                | 16~50VV               | 0.90               | 1.00      | 1.05 | 1.10 | 1.15 |
|                                | 63~100VV              | 0.80               | 1.00      | 1.17 | 1.32 | 1.45 |
|                                | 160~650VV             | 0.80               | 1.00      | 1.16 | 1.30 | 1.41 |
| 温度修正系数 Temperature coefficient |                       | 温度 (℃) Temperature |           |      |      |      |
| 电压范围 (V)<br>Rated voltage      | 温度 (℃)<br>Temperature | +40                | +55       | +70  | +85  |      |
|                                | 16~100 VV             | 2.1                | 1.8       | 1.5  | 1.0  |      |
|                                | 160~650VV             | 1.7                | 1.5       | 1.3  | 1.0  |      |

## ◆产品一览表 Standard Ratings

| WV <sub>DC</sub><br>(Surge<br>Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple<br>Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|-----------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|------------------------------------------|---------------------|
| 16<br>(20)                                    | 8200        | 22×25               | 0.50                 | 52                                         | 2.20                                     | LIV822M22025□VA     |
|                                               | 10000       | 22×30               | 0.50                 | 43                                         | 2.60                                     | LIV103M22030□VA     |
|                                               | 10000       | 25×25               | 0.50                 | 43                                         | 2.60                                     | LIV103M25025□VA     |
|                                               | 12000       | 22×35               | 0.50                 | 36                                         | 3.00                                     | LIV123M22035□VA     |
|                                               | 12000       | 25×30               | 0.50                 | 36                                         | 3.00                                     | LIV123M25030□VA     |
|                                               | 12000       | 30×25               | 0.50                 | 36                                         | 3.10                                     | LIV123M30025□VA     |
|                                               | 15000       | 22×40               | 0.50                 | 29                                         | 3.30                                     | LIV153M22040□VA     |
|                                               | 15000       | 25×30               | 0.50                 | 29                                         | 3.30                                     | LIV153M25030□VA     |
|                                               | 15000       | 30×25               | 0.50                 | 29                                         | 3.31                                     | LIV153M30025□VA     |
|                                               | 18000       | 22×45               | 0.50                 | 24                                         | 3.78                                     | LIV183M22045□VA     |
|                                               | 18000       | 25×35               | 0.50                 | 24                                         | 3.80                                     | LIV183M25035□VA     |
|                                               | 18000       | 30×30               | 0.50                 | 24                                         | 3.81                                     | LIV183M30030□VA     |
|                                               | 22000       | 22×50               | 0.50                 | 20                                         | 4.18                                     | LIV223M22050□VA     |
|                                               | 22000       | 25×40               | 0.50                 | 20                                         | 4.20                                     | LIV223M25040□VA     |
|                                               | 22000       | 30×30               | 0.50                 | 20                                         | 4.19                                     | LIV223M30030□VA     |
|                                               | 22000       | 35×25               | 0.50                 | 20                                         | 4.21                                     | LIV223M35025□VA     |
|                                               | 27000       | 25×45               | 0.50                 | 18                                         | 4.64                                     | LIV273M25045□VA     |
|                                               | 27000       | 30×35               | 0.50                 | 18                                         | 4.64                                     | LIV273M30035□VA     |
|                                               | 27000       | 35×30               | 0.50                 | 18                                         | 4.65                                     | LIV273M35030□VA     |
|                                               | 33000       | 30×40               | 0.50                 | 15                                         | 5.13                                     | LIV333M30040□VA     |
|                                               | 33000       | 35×30               | 0.50                 | 15                                         | 5.10                                     | LIV333M35030□VA     |
|                                               | 39000       | 30×45               | 0.50                 | 14                                         | 5.60                                     | LIV393M30045□VA     |
|                                               | 39000       | 35×35               | 0.50                 | 14                                         | 5.59                                     | LIV393M35035□VA     |
|                                               | 47000       | 30×50               | 0.50                 | 12                                         | 6.15                                     | LIV473M30050□VA     |
|                                               | 47000       | 35×40               | 0.50                 | 12                                         | 6.13                                     | LIV473M35040□VA     |
|                                               | 56000       | 30×60               | 0.50                 | 10                                         | 6.71                                     | LIV563M30060□VA     |
|                                               | 56000       | 35×45               | 0.50                 | 10                                         | 6.68                                     | LIV563M35045□VA     |
|                                               | 68000       | 35×55               | 0.50                 | 8.8                                        | 7.40                                     | LIV683M35055□VA     |
|                                               | 82000       | 35×60               | 0.50                 | 7.6                                        | 8.12                                     | LIV823M35060□VA     |
| 25<br>(32)                                    | 5600        | 22×25               | 0.45                 | 67                                         | 2.00                                     | LIU562M22025□VA     |
|                                               | 6800        | 22×30               | 0.45                 | 55                                         | 2.30                                     | LIU682M22030□VA     |
|                                               | 6800        | 25×25               | 0.45                 | 55                                         | 2.30                                     | LIU682M25025□VA     |
|                                               | 8200        | 22×35               | 0.45                 | 46                                         | 2.60                                     | LIU822M22035□VA     |
|                                               | 8200        | 25×30               | 0.45                 | 46                                         | 2.60                                     | LIU822M25030□VA     |
|                                               | 8200        | 30×25               | 0.45                 | 46                                         | 2.70                                     | LIU822M30025□VA     |
|                                               | 10000       | 22×40               | 0.45                 | 38                                         | 2.80                                     | LIU103M22040□VA     |
|                                               | 10000       | 25×30               | 0.45                 | 38                                         | 2.80                                     | LIU103M25030□VA     |
|                                               | 10000       | 30×25               | 0.45                 | 38                                         | 3.00                                     | LIU103M30025□VA     |
|                                               | 12000       | 22×45               | 0.45                 | 31                                         | 3.20                                     | LIU123M22045□VA     |
|                                               | 12000       | 25×35               | 0.45                 | 31                                         | 3.20                                     | LIU123M25035□VA     |
|                                               | 12000       | 30×30               | 0.45                 | 31                                         | 3.30                                     | LIU123M30030□VA     |
|                                               | 12000       | 35×25               | 0.45                 | 31                                         | 3.40                                     | LIU123M35025□VA     |
|                                               | 15000       | 22×50               | 0.45                 | 25                                         | 3.70                                     | LIU153M22050□VA     |
|                                               | 15000       | 25×40               | 0.45                 | 25                                         | 3.70                                     | LIU153M25040□VA     |
|                                               | 15000       | 30×35               | 0.45                 | 25                                         | 4.00                                     | LIU153M30035□VA     |
|                                               | 15000       | 35×25               | 0.45                 | 25                                         | 3.90                                     | LIU153M35025□VA     |
|                                               | 18000       | 25×50               | 0.45                 | 21                                         | 4.20                                     | LIU183M25050□VA     |
|                                               | 18000       | 30×35               | 0.45                 | 21                                         | 4.20                                     | LIU183M30035□VA     |
|                                               | 18000       | 35×30               | 0.45                 | 21                                         | 4.40                                     | LIU183M35030□VA     |
|                                               | 22000       | 30×40               | 0.45                 | 17                                         | 4.80                                     | LIU223M30040□VA     |
|                                               | 22000       | 35×35               | 0.45                 | 17                                         | 5.00                                     | LIU223M35035□VA     |
|                                               | 27000       | 30×50               | 0.45                 | 15                                         | 5.60                                     | LIU273M30050□VA     |
|                                               | 27000       | 35×40               | 0.45                 | 15                                         | 5.40                                     | LIU273M35040□VA     |
|                                               | 33000       | 30×55               | 0.45                 | 12                                         | 6.15                                     | LIU333M30055□VA     |
|                                               | 33000       | 35×40               | 0.45                 | 12                                         | 6.05                                     | LIU333M35040□VA     |
|                                               | 39000       | 35×50               | 0.45                 | 9.5                                        | 6.68                                     | LIU393M35050□VA     |
|                                               | 47000       | 35×55               | 0.45                 | 8.5                                        | 7.33                                     | LIU473M35055□VA     |
|                                               | 56000       | 35×60               | 0.45                 | 7.6                                        | 8.00                                     | LIU563M35060□VA     |

| WV <sub>DC</sub><br>(Surge<br>Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple<br>Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|-----------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|------------------------------------------|---------------------|
| 35<br>(44)                                    | 3300        | 22×25               | 0.40                 | 81                                         | 1.80                                     | LIT332M22025□VA     |
|                                               | 3900        | 22×30               | 0.40                 | 69                                         | 2.10                                     | LIT392M22030□VA     |
|                                               | 3900        | 25×25               | 0.40                 | 69                                         | 2.10                                     | LIT392M25025□VA     |
|                                               | 4700        | 22×35               | 0.40                 | 57                                         | 2.20                                     | LIT472M22035□VA     |
|                                               | 4700        | 25×25               | 0.40                 | 57                                         | 2.20                                     | LIT472M25025□VA     |
|                                               | 5600        | 22×35               | 0.40                 | 52                                         | 2.30                                     | LIT562M22035□VA     |
|                                               | 5600        | 25×30               | 0.40                 | 52                                         | 2.30                                     | LIT562M25030□VA     |
|                                               | 5600        | 30×25               | 0.40                 | 52                                         | 2.40                                     | LIT562M30025□VA     |
|                                               | 6800        | 22×40               | 0.40                 | 47                                         | 2.50                                     | LIT682M22040□VA     |
|                                               | 6800        | 25×35               | 0.40                 | 47                                         | 2.60                                     | LIT682M25035□VA     |
|                                               | 6800        | 30×25               | 0.40                 | 47                                         | 2.60                                     | LIT682M30025□VA     |
|                                               | 8200        | 22×50               | 0.40                 | 46                                         | 2.80                                     | LIT822M22050□VA     |
|                                               | 8200        | 25×40               | 0.40                 | 46                                         | 2.80                                     | LIT822M25040□VA     |
|                                               | 8200        | 30×30               | 0.40                 | 46                                         | 2.90                                     | LIT822M30030□VA     |
|                                               | 8200        | 35×25               | 0.40                 | 46                                         | 2.80                                     | LIT822M35025□VA     |
|                                               | 10000       | 25×45               | 0.40                 | 38                                         | 3.20                                     | LIT103M25045□VA     |
|                                               | 10000       | 30×35               | 0.40                 | 38                                         | 3.20                                     | LIT103M30035□VA     |
|                                               | 10000       | 35×25               | 0.40                 | 38                                         | 3.10                                     | LIT103M35025□VA     |
|                                               | 12000       | 25×50               | 0.40                 | 31                                         | 3.60                                     | LIT123M25050□VA     |
|                                               | 12000       | 30×40               | 0.40                 | 31                                         | 3.60                                     | LIT123M30040□VA     |
|                                               | 12000       | 35×30               | 0.40                 | 31                                         | 3.50                                     | LIT123M35030□VA     |
|                                               | 15000       | 30×45               | 0.40                 | 25                                         | 4.10                                     | LIT153M30045□VA     |
|                                               | 15000       | 35×35               | 0.40                 | 25                                         | 4.00                                     | LIT153M35035□VA     |
|                                               | 18000       | 30×50               | 0.40                 | 21                                         | 4.70                                     | LIT183M30050□VA     |
|                                               | 18000       | 35×40               | 0.40                 | 21                                         | 4.60                                     | LIT183M35040□VA     |
|                                               | 22000       | 30×60               | 0.40                 | 17                                         | 5.40                                     | LIT223M30060□VA     |
|                                               | 22000       | 35×45               | 0.40                 | 17                                         | 5.30                                     | LIT223M35045□VA     |
|                                               | 27000       | 35×50               | 0.40                 | 14                                         | 5.87                                     | LIT273M35050□VA     |
|                                               | 33000       | 35×60               | 0.40                 | 12                                         | 6.49                                     | LIT333M35060□VA     |
| 50<br>(63)                                    | 2200        | 22×25               | 0.35                 | 97                                         | 1.70                                     | LIR222M22025□VA     |
|                                               | 2700        | 22×30               | 0.35                 | 79                                         | 1.90                                     | LIR272M22030□VA     |
|                                               | 2700        | 25×25               | 0.35                 | 79                                         | 1.90                                     | LIR272M25025□VA     |
|                                               | 3300        | 22×35               | 0.35                 | 75                                         | 2.00                                     | LIR332M22035□VA     |
|                                               | 3300        | 25×30               | 0.35                 | 75                                         | 2.00                                     | LIR332M25030□VA     |
|                                               | 3300        | 30×25               | 0.35                 | 75                                         | 2.10                                     | LIR332M30025□VA     |
|                                               | 3900        | 22×40               | 0.35                 | 69                                         | 2.10                                     | LIR392M22040□VA     |
|                                               | 3900        | 25×30               | 0.35                 | 69                                         | 2.10                                     | LIR392M25030□VA     |
|                                               | 3900        | 30×25               | 0.35                 | 69                                         | 2.30                                     | LIR392M30025□VA     |
|                                               | 4700        | 22×45               | 0.35                 | 57                                         | 2.40                                     | LIR472M22045□VA     |
|                                               | 4700        | 25×35               | 0.35                 | 57                                         | 2.40                                     | LIR472M25035□VA     |
|                                               | 4700        | 30×30               | 0.35                 | 57                                         | 2.40                                     | LIR472M30030□VA     |
|                                               | 4700        | 35×25               | 0.35                 | 57                                         | 2.41                                     | LIR472M35025□VA     |
|                                               | 5600        | 22×50               | 0.35                 | 52                                         | 2.50                                     | LIR562M22050□VA     |
|                                               | 5600        | 25×40               | 0.35                 | 52                                         | 2.50                                     | LIR562M25040□VA     |
|                                               | 5600        | 30×30               | 0.35                 | 52                                         | 2.50                                     | LIR562M30030□VA     |
|                                               | 5600        | 35×25               | 0.35                 | 52                                         | 2.60                                     | LIR562M35025□VA     |
|                                               | 6800        | 25×45               | 0.35                 | 47                                         | 2.80                                     | LIR682M25045□VA     |
|                                               | 6800        | 30×35               | 0.35                 | 47                                         | 2.80                                     | LIR682M30035□VA     |
|                                               | 6800        | 35×30               | 0.35                 | 47                                         | 2.90                                     | LIR682M35030□VA     |
|                                               | 8200        | 25×50               | 0.35                 | 42                                         | 3.20                                     | LIR822M25050□VA     |
|                                               | 8200        | 30×40               | 0.35                 | 42                                         | 3.00                                     | LIR822M30040□VA     |
|                                               | 8200        | 35×30               | 0.35                 | 42                                         | 3.00                                     | LIR822M35030□VA     |
|                                               | 10000       | 30×45               | 0.35                 | 38                                         | 3.40                                     | LIR103M30045□VA     |
|                                               | 10000       | 35×35               | 0.35                 | 38                                         | 3.40                                     | LIR103M35035□VA     |
|                                               | 12000       | 30×50               | 0.35                 | 31                                         | 3.80                                     | LIR123M30050□VA     |
|                                               | 12000       | 35×40               | 0.35                 | 31                                         | 3.80                                     | LIR123M35040□VA     |
|                                               | 15000       | 30×60               | 0.35                 | 25                                         | 4.60                                     | LIR153M30060□VA     |
|                                               | 15000       | 35×50               | 0.35                 | 25                                         | 4.55                                     | LIR153M35050□VA     |

\*产品编码中□内为产品端子引出型式代码  
\* □Enter the appropriate terminal code

# L 系列 SERIES

◆产品一览表 Standard Ratings

| WV <sub>DC</sub><br>(Surge Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|--------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|---------------------------------------|---------------------|
| 50<br>(63)                                 | 18000       | 35×60               | 0.35                 | 18                                         | 5.00                                  | LIR183M35060□VA     |
|                                            | 22000       | 35×60               | 0.35                 | 14                                         | 5.51                                  | LIR223M35060□VA     |
| 63<br>(79)                                 | 1500        | 22×25               | 0.30                 | 107                                        | 1.60                                  | LIQ152M22025□VA     |
|                                            | 1800        | 22×30               | 0.30                 | 89                                         | 1.80                                  | LIQ182M22030□VA     |
|                                            | 1800        | 25×25               | 0.30                 | 89                                         | 1.80                                  | LIQ182M25025□VA     |
|                                            | 2200        | 22×30               | 0.30                 | 73                                         | 2.00                                  | LIQ222M22030□VA     |
|                                            | 2200        | 25×25               | 0.30                 | 73                                         | 2.00                                  | LIQ222M25025□VA     |
|                                            | 2700        | 22×35               | 0.30                 | 59                                         | 2.20                                  | LIQ272M22035□VA     |
|                                            | 2700        | 25×30               | 0.30                 | 59                                         | 2.20                                  | LIQ272M25030□VA     |
|                                            | 2700        | 30×25               | 0.30                 | 59                                         | 2.20                                  | LIQ272M30025□VA     |
|                                            | 3300        | 22×40               | 0.30                 | 57                                         | 2.30                                  | LIQ332M22040□VA     |
|                                            | 3300        | 25×35               | 0.30                 | 57                                         | 2.30                                  | LIQ332M25035□VA     |
|                                            | 3300        | 30×25               | 0.30                 | 57                                         | 2.30                                  | LIQ332M30025□VA     |
|                                            | 3900        | 25×40               | 0.30                 | 55                                         | 2.60                                  | LIQ392M25040□VA     |
|                                            | 3900        | 30×30               | 0.30                 | 55                                         | 2.60                                  | LIQ392M30030□VA     |
|                                            | 3900        | 35×25               | 0.30                 | 55                                         | 2.60                                  | LIQ392M35025□VA     |
|                                            | 4700        | 25×45               | 0.30                 | 48                                         | 2.60                                  | LIQ472M25045□VA     |
|                                            | 4700        | 30×35               | 0.30                 | 48                                         | 2.80                                  | LIQ472M30035□VA     |
|                                            | 4700        | 35×25               | 0.30                 | 48                                         | 2.80                                  | LIQ472M35025□VA     |
|                                            | 5600        | 25×50               | 0.30                 | 38                                         | 3.10                                  | LIQ562M25050□VA     |
|                                            | 5600        | 30×40               | 0.30                 | 38                                         | 3.20                                  | LIQ562M30040□VA     |
|                                            | 5600        | 35×30               | 0.30                 | 38                                         | 3.20                                  | LIQ562M35030□VA     |
|                                            | 6800        | 30×45               | 0.30                 | 33                                         | 3.60                                  | LIQ682M30045□VA     |
|                                            | 6800        | 35×35               | 0.30                 | 33                                         | 3.70                                  | LIQ682M35035□VA     |
|                                            | 8200        | 30×50               | 0.30                 | 29                                         | 3.70                                  | LIQ822M30050□VA     |
|                                            | 8200        | 35×40               | 0.30                 | 29                                         | 3.80                                  | LIQ822M35040□VA     |
|                                            | 10000       | 30×60               | 0.30                 | 26                                         | 4.40                                  | LIQ103M30060□VA     |
|                                            | 10000       | 35×45               | 0.30                 | 26                                         | 4.30                                  | LIQ103M35045□VA     |
|                                            | 12000       | 35×50               | 0.30                 | 21                                         | 4.80                                  | LIQ123M35050□VA     |
|                                            | 15000       | 35×60               | 0.30                 | 18                                         | 5.36                                  | LIQ153M35060□VA     |
| 80<br>(100)                                | 1000        | 22×25               | 0.25                 | 160                                        | 1.30                                  | LIP102M22025□VA     |
|                                            | 1200        | 22×30               | 0.25                 | 133                                        | 1.50                                  | LIP122M22030□VA     |
|                                            | 1200        | 25×25               | 0.25                 | 133                                        | 1.50                                  | LIP122M25025□VA     |
|                                            | 1500        | 22×35               | 0.25                 | 107                                        | 1.80                                  | LIP152M22035□VA     |
|                                            | 1500        | 25×25               | 0.25                 | 107                                        | 1.70                                  | LIP152M25025□VA     |
|                                            | 1800        | 22×40               | 0.25                 | 89                                         | 1.90                                  | LIP182M22040□VA     |
|                                            | 1800        | 25×30               | 0.25                 | 89                                         | 1.90                                  | LIP182M25030□VA     |
|                                            | 1800        | 30×25               | 0.25                 | 89                                         | 2.00                                  | LIP182M30025□VA     |
|                                            | 2200        | 22×40               | 0.25                 | 73                                         | 2.10                                  | LIP222M22040□VA     |
|                                            | 2200        | 25×35               | 0.25                 | 73                                         | 2.20                                  | LIP222M25035□VA     |
|                                            | 2200        | 30×25               | 0.25                 | 73                                         | 2.20                                  | LIP222M30025□VA     |
|                                            | 2700        | 22×50               | 0.25                 | 59                                         | 2.50                                  | LIP272M22050□VA     |
|                                            | 2700        | 25×40               | 0.25                 | 59                                         | 2.50                                  | LIP272M25040□VA     |
|                                            | 2700        | 30×30               | 0.25                 | 59                                         | 2.51                                  | LIP272M30030□VA     |
|                                            | 2700        | 35×25               | 0.25                 | 59                                         | 2.51                                  | LIP272M35025□VA     |
|                                            | 3300        | 25×45               | 0.25                 | 49                                         | 2.80                                  | LIP332M25045□VA     |
|                                            | 3300        | 30×35               | 0.25                 | 49                                         | 2.80                                  | LIP332M30035□VA     |
|                                            | 3300        | 35×30               | 0.25                 | 49                                         | 2.85                                  | LIP332M35030□VA     |
|                                            | 3900        | 25×50               | 0.25                 | 41                                         | 3.10                                  | LIP392M25050□VA     |
|                                            | 3900        | 30×40               | 0.25                 | 41                                         | 3.15                                  | LIP392M30040□VA     |
|                                            | 3900        | 35×30               | 0.25                 | 41                                         | 3.15                                  | LIP392M35030□VA     |
|                                            | 4700        | 30×45               | 0.25                 | 38                                         | 3.40                                  | LIP472M30045□VA     |
|                                            | 4700        | 35×35               | 0.25                 | 38                                         | 3.40                                  | LIP472M35035□VA     |
|                                            | 5600        | 30×50               | 0.25                 | 34                                         | 3.60                                  | LIP562M30050□VA     |
|                                            | 5600        | 35×40               | 0.25                 | 34                                         | 3.60                                  | LIP562M35040□VA     |
|                                            | 6800        | 35×45               | 0.25                 | 31                                         | 4.10                                  | LIP682M35045□VA     |
|                                            | 8200        | 35×50               | 0.25                 | 24                                         | 4.52                                  | LIP822M35050□VA     |
|                                            | 10000       | 35×60               | 0.25                 | 20                                         | 5.10                                  | LIP103M35060□VA     |

| WV <sub>DC</sub><br>(Surge Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|--------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|---------------------------------------|---------------------|
| 100<br>(125)                               | 680         | 22×25               | 0.20                 | 235                                        | 1.10                                  | LIO681M22025□VA     |
|                                            | 820         | 22×30               | 0.20                 | 195                                        | 1.20                                  | LIO821M22030□VA     |
|                                            | 820         | 25×25               | 0.20                 | 195                                        | 1.20                                  | LIO821M25025□VA     |
|                                            | 1000        | 22×35               | 0.20                 | 160                                        | 1.30                                  | LIO102M22035□VA     |
|                                            | 1000        | 25×30               | 0.20                 | 160                                        | 1.40                                  | LIO102M25030□VA     |
|                                            | 1000        | 30×25               | 0.20                 | 160                                        | 1.40                                  | LIO102M30025□VA     |
|                                            | 1200        | 22×40               | 0.20                 | 133                                        | 1.60                                  | LIO122M22040□VA     |
|                                            | 1200        | 25×30               | 0.20                 | 133                                        | 1.60                                  | LIO122M25030□VA     |
|                                            | 1200        | 30×25               | 0.20                 | 133                                        | 1.70                                  | LIO122M30025□VA     |
|                                            | 1500        | 22×45               | 0.20                 | 107                                        | 1.80                                  | LIO152M22045□VA     |
|                                            | 1500        | 25×35               | 0.20                 | 107                                        | 1.80                                  | LIO152M25035□VA     |
|                                            | 1500        | 30×30               | 0.20                 | 107                                        | 1.80                                  | LIO152M30030□VA     |
|                                            | 1500        | 35×25               | 0.20                 | 107                                        | 1.90                                  | LIO152M35025□VA     |
|                                            | 1800        | 22×50               | 0.20                 | 89                                         | 2.05                                  | LIO182M22050□VA     |
|                                            | 1800        | 25×40               | 0.20                 | 89                                         | 2.05                                  | LIO182M25040□VA     |
|                                            | 1800        | 30×30               | 0.20                 | 89                                         | 2.15                                  | LIO182M30030□VA     |
|                                            | 1800        | 35×25               | 0.20                 | 89                                         | 2.20                                  | LIO182M35025□VA     |
|                                            | 2200        | 25×45               | 0.20                 | 73                                         | 2.40                                  | LIO222M25045□VA     |
|                                            | 2200        | 30×35               | 0.20                 | 73                                         | 2.40                                  | LIO222M30035□VA     |
|                                            | 2200        | 35×30               | 0.20                 | 73                                         | 2.50                                  | LIO222M35030□VA     |
|                                            | 2700        | 25×50               | 0.20                 | 59                                         | 2.65                                  | LIO272M25050□VA     |
|                                            | 2700        | 30×40               | 0.20                 | 59                                         | 2.70                                  | LIO272M30040□VA     |
|                                            | 2700        | 35×35               | 0.20                 | 59                                         | 2.80                                  | LIO272M35035□VA     |
|                                            | 3300        | 30×45               | 0.20                 | 49                                         | 3.00                                  | LIO332M30045□VA     |
|                                            | 3300        | 35×35               | 0.20                 | 49                                         | 3.10                                  | LIO332M35035□VA     |
|                                            | 3900        | 30×50               | 0.20                 | 41                                         | 3.40                                  | LIO392M30050□VA     |
|                                            | 3900        | 35×40               | 0.20                 | 41                                         | 3.40                                  | LIO392M35040□VA     |
|                                            | 4700        | 30×60               | 0.20                 | 34                                         | 3.90                                  | LIO472M30060□VA     |
|                                            | 4700        | 35×50               | 0.20                 | 34                                         | 4.00                                  | LIO472M35050□VA     |
|                                            | 5600        | 35×60               | 0.20                 | 28                                         | 4.37                                  | LIO562M35060□VA     |
|                                            | 6800        | 35×60               | 0.20                 | 23                                         | 4.81                                  | LIO682M35060□VA     |
| 160<br>(200)                               | 270         | 22×25               | 0.15                 | 393                                        | 1.10                                  | LIN271M22025□VA     |
|                                            | 330         | 22×30               | 0.15                 | 322                                        | 1.30                                  | LIN331M22030□VA     |
|                                            | 330         | 25×25               | 0.15                 | 322                                        | 1.30                                  | LIN331M25025□VA     |
|                                            | 390         | 22×35               | 0.15                 | 273                                        | 1.50                                  | LIN391M22035□VA     |
|                                            | 390         | 25×30               | 0.15                 | 273                                        | 1.50                                  | LIN391M25030□VA     |
|                                            | 390         | 30×25               | 0.15                 | 273                                        | 1.50                                  | LIN391M30025□VA     |
|                                            | 470         | 22×40               | 0.15                 | 226                                        | 1.70                                  | LIN471M22040□VA     |
|                                            | 470         | 25×30               | 0.15                 | 226                                        | 1.70                                  | LIN471M25030□VA     |
|                                            | 470         | 30×25               | 0.15                 | 226                                        | 1.80                                  | LIN471M30025□VA     |
|                                            | 560         | 22×45               | 0.15                 | 190                                        | 1.90                                  | LIN561M22045□VA     |
|                                            | 560         | 25×35               | 0.15                 | 190                                        | 1.90                                  | LIN561M25035□VA     |
|                                            | 560         | 30×30               | 0.15                 | 190                                        | 2.00                                  | LIN561M30030□VA     |
|                                            | 560         | 35×25               | 0.15                 | 190                                        | 2.00                                  | LIN561M35025□VA     |
|                                            | 680         | 22×50               | 0.15                 | 157                                        | 2.10                                  | LIN681M22050□VA     |
|                                            | 680         | 25×40               | 0.15                 | 157                                        | 2.10                                  | LIN681M25040□VA     |
|                                            | 680         | 30×30               | 0.15                 | 157                                        | 2.10                                  | LIN681M30030□VA     |
|                                            | 680         | 35×25               | 0.15                 | 157                                        | 2.20                                  | LIN681M35025□VA     |
|                                            | 820         | 25×45               | 0.15                 | 130                                        | 2.40                                  | LIN821M25045□VA     |
|                                            | 820         | 30×35               | 0.15                 | 130                                        | 2.50                                  | LIN821M30035□VA     |
|                                            | 820         | 35×25               | 0.15                 | 130                                        | 2.40                                  | LIN821M35025□VA     |
|                                            | 1000        | 25×50               | 0.15                 | 107                                        | 2.70                                  | LIN102M25050□VA     |
|                                            | 1000        | 30×40               | 0.15                 | 107                                        | 2.80                                  | LIN102M30040□VA     |
|                                            | 1000        | 35×30               | 0.15                 | 107                                        | 2.70                                  | LIN102M35030□VA     |
|                                            | 1200        | 30×45               | 0.15                 | 89                                         | 3.20                                  | LIN122M30045□VA     |
|                                            | 1200        | 35×35               | 0.15                 | 89                                         | 3.10                                  | LIN122M35035□VA     |
|                                            | 1500        | 30×50               | 0.15                 | 85                                         | 3.70                                  | LIN152M30050□VA     |
|                                            | 1500        | 35×40               | 0.15                 | 85                                         | 3.60                                  | LIN152M35040□VA     |

\*产品编码中□内为产品端子引出型式代码

\*□Enter the appropriate terminal code

◆ 产品一览表 Standard Ratings

| WV <sub>DC</sub><br>(Surge Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple<br>Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|--------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|------------------------------------------|---------------------|
| 160<br>(200)                               | 1800        | 30×55               | 0.15                 | 71                                         | 4.10                                     | LIN182M30055□VA     |
|                                            | 1800        | 35×50               | 0.15                 | 71                                         | 4.00                                     | LIN182M35050□VA     |
|                                            | 2200        | 35×50               | 0.15                 | 58                                         | 4.50                                     | LIN222M35050□VA     |
|                                            | 2700        | 35×60               | 0.15                 | 49                                         | 4.99                                     | LIN272M35060□VA     |
|                                            | 3900        | 35×80               | 0.15                 | 37                                         | 6.20                                     | LIN392M35080□VA     |
|                                            | 4700        | 40×80               | 0.15                 | 34                                         | 7.50                                     | LIN472M40080□VA     |
|                                            | 5600        | 40×90               | 0.15                 | 31                                         | 9.10                                     | LIN562M40090□VA     |
| 200<br>(250)                               | 220         | 22×25               | 0.15                 | 483                                        | 1.10                                     | LIL221M22025□VA     |
|                                            | 270         | 22×30               | 0.15                 | 393                                        | 1.20                                     | LIL271M22030□VA     |
|                                            | 270         | 25×25               | 0.15                 | 393                                        | 1.20                                     | LIL271M25025□VA     |
|                                            | 330         | 22×30               | 0.15                 | 322                                        | 1.40                                     | LIL331M22030□VA     |
|                                            | 330         | 25×25               | 0.15                 | 322                                        | 1.40                                     | LIL331M25025□VA     |
|                                            | 390         | 22×35               | 0.15                 | 273                                        | 1.60                                     | LIL391M22035□VA     |
|                                            | 390         | 25×30               | 0.15                 | 273                                        | 1.60                                     | LIL391M25030□VA     |
|                                            | 390         | 30×25               | 0.15                 | 273                                        | 1.70                                     | LIL391M30025□VA     |
|                                            | 470         | 22×40               | 0.15                 | 226                                        | 1.80                                     | LIL471M22040□VA     |
|                                            | 470         | 25×35               | 0.15                 | 226                                        | 1.80                                     | LIL471M25035□VA     |
|                                            | 470         | 30×25               | 0.15                 | 226                                        | 1.90                                     | LIL471M30025□VA     |
|                                            | 560         | 25×35               | 0.15                 | 190                                        | 2.00                                     | LIL561M25035□VA     |
|                                            | 560         | 30×30               | 0.15                 | 190                                        | 2.10                                     | LIL561M30030□VA     |
|                                            | 560         | 35×25               | 0.15                 | 190                                        | 2.00                                     | LIL561M35025□VA     |
|                                            | 680         | 25×40               | 0.15                 | 157                                        | 2.30                                     | LIL681M25040□VA     |
|                                            | 680         | 30×35               | 0.15                 | 157                                        | 2.40                                     | LIL681M30035□VA     |
|                                            | 680         | 35×25               | 0.15                 | 157                                        | 2.40                                     | LIL681M35025□VA     |
|                                            | 820         | 25×50               | 0.15                 | 130                                        | 2.60                                     | LIL821M25050□VA     |
|                                            | 820         | 30×40               | 0.15                 | 130                                        | 2.70                                     | LIL821M30040□VA     |
|                                            | 820         | 35×30               | 0.15                 | 130                                        | 2.60                                     | LIL821M35030□VA     |
|                                            | 1000        | 30×45               | 0.15                 | 107                                        | 3.10                                     | LIL102M30045□VA     |
|                                            | 1000        | 35×35               | 0.15                 | 107                                        | 2.95                                     | LIL102M35035□VA     |
|                                            | 1200        | 30×50               | 0.15                 | 89                                         | 3.40                                     | LIL122M30050□VA     |
|                                            | 1200        | 35×40               | 0.15                 | 89                                         | 3.30                                     | LIL122M35040□VA     |
|                                            | 1500        | 30×55               | 0.15                 | 85                                         | 3.90                                     | LIL152M30055□VA     |
|                                            | 1500        | 35×40               | 0.15                 | 85                                         | 3.80                                     | LIL152M35040□VA     |
|                                            | 1800        | 30×60               | 0.15                 | 71                                         | 4.27                                     | LIL182M30060□VA     |
|                                            | 1800        | 35×50               | 0.15                 | 71                                         | 4.20                                     | LIL182M35050□VA     |
|                                            | 2200        | 35×60               | 0.15                 | 58                                         | 4.74                                     | LIL222M35060□VA     |
|                                            | 2700        | 35×60               | 0.15                 | 49                                         | 5.40                                     | LIL272M35060□VA     |
|                                            | 2700        | 40×50               | 0.15                 | 49                                         | 5.40                                     | LIL272M40050□VA     |
|                                            | 3300        | 35×80               | 0.15                 | 41                                         | 6.50                                     | LIL332M35080□VA     |
|                                            | 3300        | 40×60               | 0.15                 | 41                                         | 6.40                                     | LIL332M40060□VA     |
|                                            | 3900        | 40×80               | 0.15                 | 37                                         | 7.60                                     | LIL392M40080□VA     |
|                                            | 4700        | 40×90               | 0.15                 | 34                                         | 8.90                                     | LIL472M40090□VA     |
| 250<br>(300)                               | 150         | 22×25               | 0.15                 | 1061                                       | 0.80                                     | LIJ151M22025□VA     |
|                                            | 180         | 22×30               | 0.15                 | 885                                        | 0.94                                     | LIJ181M22030□VA     |
|                                            | 180         | 25×25               | 0.15                 | 885                                        | 0.94                                     | LIJ181M25025□VA     |
|                                            | 220         | 22×35               | 0.15                 | 724                                        | 1.10                                     | LIJ221M22035□VA     |
|                                            | 220         | 25×30               | 0.15                 | 724                                        | 1.10                                     | LIJ221M25030□VA     |
|                                            | 270         | 22×40               | 0.15                 | 590                                        | 1.20                                     | LIJ271M22040□VA     |
|                                            | 270         | 25×30               | 0.15                 | 590                                        | 1.20                                     | LIJ271M25030□VA     |
|                                            | 270         | 30×25               | 0.15                 | 590                                        | 1.20                                     | LIJ271M30025□VA     |
|                                            | 330         | 22×45               | 0.15                 | 483                                        | 1.40                                     | LIJ331M22045□VA     |
|                                            | 330         | 25×35               | 0.15                 | 483                                        | 1.40                                     | LIJ331M25035□VA     |
|                                            | 330         | 30×30               | 0.15                 | 483                                        | 1.50                                     | LIJ331M30030□VA     |
|                                            | 330         | 35×25               | 0.15                 | 483                                        | 1.60                                     | LIJ331M35025□VA     |
|                                            | 390         | 22×50               | 0.15                 | 409                                        | 1.63                                     | LIJ391M22050□VA     |
|                                            | 390         | 25×40               | 0.15                 | 409                                        | 1.63                                     | LIJ391M25040□VA     |
|                                            | 390         | 30×30               | 0.15                 | 409                                        | 1.70                                     | LIJ391M30030□VA     |
|                                            | 390         | 35×25               | 0.15                 | 409                                        | 1.70                                     | LIJ391M35025□VA     |

| WV <sub>DC</sub><br>(Surge Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple<br>Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|--------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|------------------------------------------|---------------------|
| 250<br>(300)                               | 470         | 25×45               | 0.15                 | 339                                        | 1.80                                     | LIJ471M25045□VA     |
|                                            | 470         | 30×35               | 0.15                 | 339                                        | 1.80                                     | LIJ471M30035□VA     |
|                                            | 470         | 35×25               | 0.15                 | 339                                        | 1.90                                     | LIJ471M35025□VA     |
|                                            | 560         | 25×50               | 0.15                 | 285                                        | 2.00                                     | LIJ561M25050□VA     |
|                                            | 560         | 30×40               | 0.15                 | 285                                        | 2.00                                     | LIJ561M30040□VA     |
|                                            | 560         | 35×30               | 0.15                 | 285                                        | 2.10                                     | LIJ561M35030□VA     |
|                                            | 680         | 30×45               | 0.15                 | 235                                        | 2.30                                     | LIJ681M30045□VA     |
|                                            | 680         | 35×35               | 0.15                 | 235                                        | 2.40                                     | LIJ681M35035□VA     |
|                                            | 820         | 30×50               | 0.15                 | 195                                        | 2.60                                     | LIJ821M30050□VA     |
|                                            | 820         | 35×40               | 0.15                 | 195                                        | 2.60                                     | LIJ821M35040□VA     |
|                                            | 1000        | 30×60               | 0.15                 | 160                                        | 3.10                                     | LIJ102M30060□VA     |
|                                            | 1200        | 35×50               | 0.15                 | 133                                        | 3.40                                     | LIJ122M35050□VA     |
|                                            | 1500        | 35×60               | 0.15                 | 106                                        | 4.10                                     | LIJ152M35060□VA     |
|                                            | 1800        | 35×70               | 0.15                 | 89                                         | 4.84                                     | LIJ182M35070□VA     |
|                                            | 2200        | 35×80               | 0.15                 | 72                                         | 5.70                                     | LIJ222M35080□VA     |
|                                            | 2700        | 40×80               | 0.15                 | 59                                         | 6.80                                     | LIJ272M40080□VA     |
|                                            | 3300        | 40×90               | 0.15                 | 48                                         | 7.90                                     | LIJ332M40090□VA     |
| 315<br>(365)                               | 3900        | 45×80               | 0.15                 | 41                                         | 8.70                                     | LIJ392M45080□VA     |
|                                            | 4700        | 45×100              | 0.15                 | 38                                         | 10.6                                     | LIJ472M45100□VA     |
|                                            | 4700        | 50×80               | 0.15                 | 38                                         | 10.1                                     | LIJ472M50080□VA     |
|                                            | 100         | 22×25               | 0.15                 | 1592                                       | 0.70                                     | LIH101M22025□VA     |
|                                            | 120         | 22×30               | 0.15                 | 1327                                       | 0.75                                     | LIH121M22030□VA     |
|                                            | 150         | 22×30               | 0.15                 | 1061                                       | 0.85                                     | LIH151M22030□VA     |
|                                            | 150         | 25×25               | 0.15                 | 1061                                       | 0.85                                     | LIH151M25025□VA     |
|                                            | 180         | 22×35               | 0.15                 | 885                                        | 0.96                                     | LIH181M22035□VA     |
|                                            | 180         | 25×30               | 0.15                 | 885                                        | 0.97                                     | LIH181M25030□VA     |
|                                            | 180         | 30×25               | 0.15                 | 885                                        | 0.97                                     | LIH181M30025□VA     |
|                                            | 220         | 22×40               | 0.15                 | 724                                        | 1.10                                     | LIH221M22040□VA     |
|                                            | 220         | 25×35               | 0.15                 | 724                                        | 1.11                                     | LIH221M25035□VA     |
|                                            | 220         | 30×25               | 0.15                 | 724                                        | 1.10                                     | LIH221M30025□VA     |
|                                            | 270         | 25×40               | 0.15                 | 590                                        | 1.40                                     | LIH271M25040□VA     |
|                                            | 270         | 30×30               | 0.15                 | 590                                        | 1.40                                     | LIH271M30030□VA     |
|                                            | 270         | 35×25               | 0.15                 | 590                                        | 1.40                                     | LIH271M35025□VA     |
|                                            | 330         | 25×45               | 0.15                 | 483                                        | 1.50                                     | LIH331M25045□VA     |
|                                            | 330         | 30×35               | 0.15                 | 483                                        | 1.50                                     | LIH331M30035□VA     |
|                                            | 330         | 35×25               | 0.15                 | 483                                        | 1.60                                     | LIH331M35025□VA     |
|                                            | 390         | 25×50               | 0.15                 | 409                                        | 1.72                                     | LIH391M25050□VA     |
|                                            | 390         | 30×40               | 0.15                 | 409                                        | 1.74                                     | LIH391M30040□VA     |
|                                            | 390         | 35×30               | 0.15                 | 409                                        | 1.68                                     | LIH391M35030□VA     |
|                                            | 470         | 30×45               | 0.15                 | 339                                        | 2.00                                     | LIH471M30045□VA     |
|                                            | 470         | 35×35               | 0.15                 | 339                                        | 2.00                                     | LIH471M35035□VA     |
| 350<br>(400)                               | 560         | 30×50               | 0.15                 | 285                                        | 2.30                                     | LIH561M30050□VA     |
|                                            | 560         | 35×40               | 0.15                 | 285                                        | 2.30                                     | LIH561M35040□VA     |
|                                            | 680         | 30×60               | 0.15                 | 235                                        | 2.70                                     | LIH681M30060□VA     |
|                                            | 680         | 35×50               | 0.15                 | 235                                        | 2.80                                     | LIH681M35050□VA     |
|                                            | 820         | 35×50               | 0.15                 | 195                                        | 3.00                                     | LIH821M35050□VA     |
|                                            | 1000        | 35×60               | 0.15                 | 160                                        | 3.60                                     | LIH102M35060□VA     |
|                                            | 1200        | 35×60               | 0.15                 | 133                                        | 4.00                                     | LIH122M35060□VA     |
|                                            | 1500        | 35×70               | 0.15                 | 106                                        | 4.30                                     | LIH152M35070□VA     |
|                                            | 1800        | 35×80               | 0.15                 | 89                                         | 5.60                                     | LIH182M35080□VA     |
|                                            | 2200        | 35×100              | 0.15                 | 72                                         | 6.40                                     | LIH222M35100□VA     |
|                                            | 2200        | 40×80               | 0.15                 | 72                                         | 6.60                                     | LIH222M40080□VA     |
|                                            | 2700        | 45×80               | 0.15                 | 59                                         | 7.90                                     | LIH272M45080□VA     |
|                                            | 3300        | 45×90               | 0.15                 | 48                                         | 9.20                                     | LIH332M45090□VA     |
|                                            | 3300        | 50×80               | 0.15                 | 48                                         | 9.30                                     | LIH332M50080□VA     |
|                                            | 82          | 22×25               | 0.15                 | 1941                                       | 0.64                                     | LIH820M22025□VA     |
|                                            | 100         | 22×25               | 0.15                 | 1592                                       | 0.80                                     | LIH101M22025□VA     |
|                                            | 120         | 22×30               | 0.15                 | 1327                                       | 0.82                                     | LIH121M22030□VA     |

\*产品编码中□内为产品端子引出型式代码

\*□Enter the appropriate terminal code

## ◆产品一览表 Standard Ratings

| WV <sub>DC</sub><br>(Surge Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple<br>Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|--------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|------------------------------------------|---------------------|
| 350<br>(400)                               | 120         | 25×25               | 0.15                 | 1327                                       | 0.81                                     | LIH121M25025□VA     |
|                                            | 150         | 22×35               | 0.15                 | 1061                                       | 0.93                                     | LIH151M22035□VA     |
|                                            | 150         | 25×30               | 0.15                 | 1061                                       | 0.94                                     | LIH151M25030□VA     |
|                                            | 150         | 30×25               | 0.15                 | 1061                                       | 0.94                                     | LIH151M30025□VA     |
|                                            | 180         | 22×40               | 0.15                 | 885                                        | 1.09                                     | LIH181M22040□VA     |
|                                            | 180         | 25×30               | 0.15                 | 885                                        | 1.13                                     | LIH181M25030□VA     |
|                                            | 180         | 30×25               | 0.15                 | 885                                        | 1.13                                     | LIH181M30025□VA     |
|                                            | 220         | 25×35               | 0.15                 | 724                                        | 1.24                                     | LIH221M25035□VA     |
|                                            | 220         | 30×30               | 0.15                 | 724                                        | 1.24                                     | LIH221M30030□VA     |
|                                            | 220         | 35×25               | 0.15                 | 724                                        | 1.34                                     | LIH221M35025□VA     |
|                                            | 270         | 25×45               | 0.15                 | 724                                        | 1.44                                     | LIH271M25045□VA     |
|                                            | 270         | 30×35               | 0.15                 | 590                                        | 1.44                                     | LIH271M30035□VA     |
|                                            | 270         | 35×25               | 0.15                 | 590                                        | 1.56                                     | LIH271M35025□VA     |
|                                            | 330         | 25×50               | 0.15                 | 483                                        | 1.64                                     | LIH331M25050□VA     |
|                                            | 330         | 30×40               | 0.15                 | 483                                        | 1.68                                     | LIH331M30040□VA     |
|                                            | 330         | 35×30               | 0.15                 | 483                                        | 1.64                                     | LIH331M35030□VA     |
|                                            | 390         | 30×40               | 0.15                 | 409                                        | 1.80                                     | LIH391M30040□VA     |
|                                            | 390         | 35×35               | 0.15                 | 409                                        | 1.90                                     | LIH391M35035□VA     |
|                                            | 470         | 30×45               | 0.15                 | 339                                        | 2.20                                     | LIH471M30045□VA     |
|                                            | 470         | 35×40               | 0.15                 | 339                                        | 2.20                                     | LIH471M35040□VA     |
|                                            | 560         | 30×55               | 0.15                 | 285                                        | 2.50                                     | LIH561M30055□VA     |
|                                            | 560         | 35×45               | 0.15                 | 285                                        | 2.50                                     | LIH561M35045□VA     |
|                                            | 680         | 30×60               | 0.15                 | 235                                        | 2.92                                     | LIH681M30060□VA     |
|                                            | 680         | 35×50               | 0.15                 | 235                                        | 2.88                                     | LIH681M35050□VA     |
|                                            | 820         | 35×60               | 0.15                 | 195                                        | 3.40                                     | LIH821M35060□VA     |
|                                            | 1000        | 35×60               | 0.15                 | 160                                        | 3.70                                     | LIH102M35060□VA     |
|                                            | 1200        | 40×70               | 0.15                 | 133                                        | 5.00                                     | LIH122M40070□VA     |
|                                            | 1500        | 40×80               | 0.15                 | 106                                        | 6.00                                     | LIH152M40080□VA     |
|                                            | 1500        | 45×70               | 0.15                 | 106                                        | 6.00                                     | LIH152M45070□VA     |
|                                            | 1800        | 40×100              | 0.15                 | 89                                         | 7.30                                     | LIH182M40100□VA     |
|                                            | 1800        | 45×70               | 0.15                 | 89                                         | 6.70                                     | LIH182M45070□VA     |
|                                            | 2200        | 40×100              | 0.15                 | 72                                         | 8.20                                     | LIH222M40100□VA     |
|                                            | 2700        | 45×90               | 0.15                 | 59                                         | 9.00                                     | LIH272M45090□VA     |
|                                            | 3300        | 45×105              | 0.15                 | 48                                         | 10.5                                     | LIH332M45105□VA     |
|                                            | 3300        | 50×90               | 0.15                 | 48                                         | 10.4                                     | LIH332M50090□VA     |
| 400<br>(450)                               | 47          | 22×25               | 0.15                 | 2823                                       | 0.50                                     | LIG470M22025□VA     |
|                                            | 56          | 22×25               | 0.15                 | 2370                                       | 0.52                                     | LIG560M22025□VA     |
|                                            | 68          | 22×25               | 0.15                 | 1951                                       | 0.55                                     | LIG680M22025□VA     |
|                                            | 82          | 22×25               | 0.15                 | 1618                                       | 0.64                                     | LIG820M22025□VA     |
|                                            | 100         | 22×30               | 0.15                 | 1327                                       | 0.70                                     | LIG101M22030□VA     |
|                                            | 100         | 25×25               | 0.15                 | 1327                                       | 0.70                                     | LIG101M25025□VA     |
|                                            | 120         | 22×30               | 0.15                 | 1106                                       | 0.82                                     | LIG121M22030□VA     |
|                                            | 120         | 25×25               | 0.15                 | 1106                                       | 0.81                                     | LIG121M25025□VA     |
|                                            | 120         | 30×25               | 0.15                 | 1106                                       | 0.83                                     | LIG121M30025□VA     |
|                                            | 150         | 22×40               | 0.15                 | 885                                        | 0.90                                     | LIG151M22040□VA     |
|                                            | 150         | 25×30               | 0.15                 | 885                                        | 0.90                                     | LIG151M25030□VA     |
|                                            | 150         | 30×25               | 0.15                 | 885                                        | 0.95                                     | LIG151M30025□VA     |
|                                            | 180         | 22×45               | 0.15                 | 737                                        | 1.00                                     | LIG181M22045□VA     |
|                                            | 180         | 25×35               | 0.15                 | 737                                        | 1.00                                     | LIG181M25035□VA     |
|                                            | 180         | 30×30               | 0.15                 | 737                                        | 1.10                                     | LIG181M30030□VA     |
|                                            | 180         | 35×25               | 0.15                 | 737                                        | 1.20                                     | LIG181M35025□VA     |
|                                            | 220         | 22×50               | 0.15                 | 603                                        | 1.10                                     | LIG221M22050□VA     |
|                                            | 220         | 25×40               | 0.15                 | 603                                        | 1.10                                     | LIG221M25040□VA     |
|                                            | 220         | 30×35               | 0.15                 | 603                                        | 1.20                                     | LIG221M30035□VA     |
|                                            | 220         | 35×25               | 0.15                 | 603                                        | 1.20                                     | LIG221M35025□VA     |
|                                            | 270         | 25×45               | 0.15                 | 492                                        | 1.30                                     | LIG271M25045□VA     |
|                                            | 270         | 30×40               | 0.15                 | 492                                        | 1.40                                     | LIG271M30040□VA     |
|                                            | 270         | 35×30               | 0.15                 | 492                                        | 1.50                                     | LIG271M35030□VA     |
|                                            | 330         | 25×50               | 0.15                 | 402                                        | 1.60                                     | LIG331M25050□VA     |

| WV <sub>DC</sub><br>(Surge Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple<br>Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|--------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|------------------------------------------|---------------------|
| 400<br>(450)                               | 330         | 30×40               | 0.15                 | 402                                        | 1.60                                     | LIG331M30040□VA     |
|                                            | 330         | 35×35               | 0.15                 | 402                                        | 1.70                                     | LIG331M35035□VA     |
|                                            | 390         | 30×50               | 0.15                 | 340                                        | 1.80                                     | LIG391M30050□VA     |
|                                            | 390         | 35×40               | 0.15                 | 340                                        | 1.75                                     | LIG391M35040□VA     |
|                                            | 470         | 30×50               | 0.15                 | 282                                        | 2.28                                     | LIG471M30050□VA     |
|                                            | 470         | 35×40               | 0.15                 | 282                                        | 2.18                                     | LIG471M35040□VA     |
|                                            | 560         | 35×45               | 0.15                 | 237                                        | 2.60                                     | LIG561M35045□VA     |
|                                            | 560         | 35×50               | 0.15                 | 237                                        | 2.70                                     | LIG561M35050□VA     |
|                                            | 680         | 30×60               | 0.15                 | 195                                        | 2.90                                     | LIG681M30060□VA     |
|                                            | 680         | 35×50               | 0.15                 | 195                                        | 2.96                                     | LIG681M35050□VA     |
|                                            | 820         | 35×50               | 0.15                 | 162                                        | 3.20                                     | LIG821M35050□VA     |
|                                            | 1000        | 35×70               | 0.15                 | 133                                        | 4.20                                     | LIG102M35070□VA     |
|                                            | 1200        | 40×60               | 0.15                 | 111                                        | 4.59                                     | LIG122M40060□VA     |
|                                            | 1500        | 40×80               | 0.15                 | 89                                         | 5.58                                     | LIG152M40080□VA     |
|                                            | 1800        | 40×90               | 0.15                 | 74                                         | 6.90                                     | LIG182M40090□VA     |
|                                            | 1800        | 45×80               | 0.15                 | 74                                         | 6.70                                     | LIG182M45080□VA     |
|                                            | 2200        | 45×90               | 0.15                 | 60                                         | 8.14                                     | LIG222M45090□VA     |
|                                            | 2200        | 50×85               | 0.15                 | 60                                         | 8.26                                     | LIG222M50085□VA     |
|                                            | 2700        | 50×105              | 0.15                 | 49                                         | 9.80                                     | LIG272M50105□VA     |
| 450<br>(500)                               | 47          | 22×25               | 0.20                 | 3105                                       | 0.52                                     | LIE470M22025□VA     |
|                                            | 56          | 22×25               | 0.20                 | 2606                                       | 0.55                                     | LIE560M22025□VA     |
|                                            | 68          | 22×30               | 0.20                 | 2341                                       | 0.57                                     | LIE680M22030□VA     |
|                                            | 68          | 25×25               | 0.20                 | 2341                                       | 0.57                                     | LIE680M25025□VA     |
|                                            | 82          | 22×30               | 0.20                 | 1941                                       | 0.65                                     | LIE820M22030□VA     |
|                                            | 82          | 25×25               | 0.20                 | 1941                                       | 0.65                                     | LIE820M25025□VA     |
|                                            | 100         | 22×35               | 0.20                 | 1592                                       | 0.72                                     | LIE101M22035□VA     |
|                                            | 100         | 25×30               | 0.20                 | 1592                                       | 0.73                                     | LIE101M25030□VA     |
|                                            | 100         | 30×25               | 0.20                 | 1592                                       | 0.73                                     | LIE101M30025□VA     |
|                                            | 120         | 22×40               | 0.20                 | 1327                                       | 0.80                                     | LIE121M22040□VA     |
|                                            | 120         | 25×35               | 0.20                 | 1327                                       | 0.83                                     | LIE121M25035□VA     |
|                                            | 120         | 30×25               | 0.20                 | 1327                                       | 0.83                                     | LIE121M30025□VA     |
|                                            | 150         | 22×45               | 0.20                 | 1061                                       | 0.95                                     | LIE151M22045□VA     |
|                                            | 150         | 25×35               | 0.20                 | 1061                                       | 0.95                                     | LIE151M25035□VA     |
|                                            | 150         | 30×30               | 0.20                 | 1061                                       | 0.98                                     | LIE151M30030□VA     |
|                                            | 180         | 25×40               | 0.20                 | 885                                        | 1.10                                     | LIE181M25040□VA     |
|                                            | 180         | 35×25               | 0.20                 | 885                                        | 1.20                                     | LIE181M35025□VA     |
|                                            | 220         | 25×50               | 0.20                 | 724                                        | 1.20                                     | LIE221M25050□VA     |
|                                            | 220         | 30×35               | 0.20                 | 724                                        | 1.20                                     | LIE221M30035□VA     |
|                                            | 270         | 30×40               | 0.20                 | 590                                        | 1.40                                     | LIE271M30040□VA     |
|                                            | 270         | 35×35               | 0.20                 | 590                                        | 1.50                                     | LIE271M35035□VA     |
|                                            | 330         | 30×45               | 0.20                 | 483                                        | 1.70                                     | LIE331M30045□VA     |
|                                            | 330         | 35×35               | 0.20                 | 483                                        | 1.70                                     | LIE331M35035□VA     |
|                                            | 390         | 35×45               | 0.20                 | 409                                        | 1.90                                     | LIE391M35045□VA     |
|                                            | 470         | 30×60               | 0.20                 | 339                                        | 2.50                                     | LIE471M30060□VA     |
|                                            | 470         | 35×50               | 0.20                 | 339                                        | 2.40                                     | LIE471M35050□VA     |
|                                            | 560         | 35×60               | 0.20                 | 285                                        | 2.90                                     | LIE561M35060□VA     |
|                                            | 680         | 35×60               | 0.20                 | 235                                        | 3.20                                     | LIE681M35060□VA     |
|                                            | 820         | 35×65               | 0.20                 | 195                                        | 3.68                                     | LIE821M35065□VA     |
|                                            | 1000        | 35×80               | 0.20                 | 160                                        | 4.40                                     | LIE102M35080□VA     |
|                                            | 1200        | 40×70               | 0.20                 | 133                                        | 4.90                                     | LIE122M40070□VA     |
|                                            | 1500        | 40×80               | 0.20                 | 106                                        | 5.90                                     | LIE152M40080□VA     |
|                                            | 1800        | 45×90               | 0.20                 | 89                                         | 7.24                                     | LIE182M45090□VA     |
|                                            | 2200        | 50×100              | 0.20                 | 72                                         | 8.90                                     | LIE222M50100□VA     |
|                                            | 2700        | 50×110              | 0.20                 | 59                                         | 10.16                                    | LIE272M50110□VA     |
| 500<br>(550)                               | 100         | 25×30               | 0.20                 | 1592                                       | 0.90                                     | LIC101M25030□VA     |
|                                            | 100         | 30×25               | 0.20                 | 1592                                       | 0.90                                     | LIC101M30025□VA     |
|                                            | 120         | 25×35               | 0.20                 | 1327                                       | 1.00                                     | LIC121M25035□VA     |
|                                            | 120         | 30×30               | 0.20                 | 1327                                       | 1.00                                     | LIC121M30030□VA     |

\*产品编码中□内为产品端子引出型式代码

\*□Enter the appropriate terminal code.



# L 系列 SERIES

## ◆产品一览表 Standard Ratings

| WV <sub>DC</sub><br>(Surge Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|--------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|---------------------------------------|---------------------|
| 500<br>(550)                               | 150         | 25×40               | 0.20                 | 1061                                       | 1.20                                  | LIC151M25040□VA     |
|                                            | 150         | 30×35               | 0.20                 | 1061                                       | 1.20                                  | LIC151M30035□VA     |
|                                            | 180         | 30×40               | 0.20                 | 885                                        | 1.40                                  | LIC181M30040□VA     |
|                                            | 180         | 35×30               | 0.20                 | 885                                        | 1.30                                  | LIC181M35030□VA     |
|                                            | 220         | 30×45               | 0.20                 | 724                                        | 1.60                                  | LIC221M30045□VA     |
|                                            | 220         | 35×35               | 0.20                 | 724                                        | 1.50                                  | LIC221M35035□VA     |
|                                            | 270         | 30×50               | 0.20                 | 590                                        | 1.80                                  | LIC271M30050□VA     |
|                                            | 270         | 35×40               | 0.20                 | 590                                        | 1.70                                  | LIC271M35040□VA     |
|                                            | 330         | 30×50               | 0.20                 | 483                                        | 2.00                                  | LIC331M30050□VA     |
|                                            | 330         | 35×45               | 0.20                 | 483                                        | 1.90                                  | LIC331M35045□VA     |
|                                            | 390         | 35×50               | 0.20                 | 409                                        | 2.30                                  | LIC391M35050□VA     |
|                                            | 470         | 35×60               | 0.20                 | 339                                        | 2.50                                  | LIC471M35060□VA     |
|                                            | 560         | 35×70               | 0.20                 | 285                                        | 2.80                                  | LIC561M35070□VA     |
|                                            | 560         | 35×60               | 0.20                 | 285                                        | 2.70                                  | LIC561M35060□VA     |
|                                            | 560         | 40×60               | 0.20                 | 285                                        | 2.90                                  | LIC561M40060□VA     |
|                                            | 680         | 35×80               | 0.20                 | 235                                        | 3.50                                  | LIC681M35080□VA     |
|                                            | 680         | 40×70               | 0.20                 | 235                                        | 3.60                                  | LIC681M40070□VA     |
|                                            | 820         | 35×90               | 0.20                 | 195                                        | 4.20                                  | LIC821M35090□VA     |
|                                            | 820         | 40×70               | 0.20                 | 195                                        | 4.00                                  | LIC821M40070□VA     |
|                                            | 1000        | 40×80               | 0.20                 | 160                                        | 4.70                                  | LIC102M40080□VA     |
|                                            | 1000        | 45×70               | 0.20                 | 160                                        | 4.70                                  | LIC102M45070□VA     |
|                                            | 1200        | 40×90               | 0.20                 | 133                                        | 5.50                                  | LIC122M40090□VA     |
|                                            | 1200        | 45×80               | 0.20                 | 133                                        | 5.60                                  | LIC122M45080□VA     |
|                                            | 1500        | 45×100              | 0.20                 | 106                                        | 6.70                                  | LIC152M45100□VA     |
|                                            | 1500        | 50×80               | 0.20                 | 106                                        | 6.50                                  | LIC152M50080□VA     |
|                                            | 1800        | 50×90               | 0.20                 | 89                                         | 7.50                                  | LIC182M50090□VA     |
| 550<br>(600)                               | 180         | 30×45               | 0.20                 | 885                                        | 1.30                                  | LIZ181M30045□VA     |
|                                            | 220         | 30×50               | 0.20                 | 724                                        | 1.40                                  | LIZ221M30050□VA     |
|                                            | 270         | 30×60               | 0.20                 | 590                                        | 1.70                                  | LIZ271M30060□VA     |
|                                            | 270         | 35×45               | 0.20                 | 590                                        | 1.70                                  | LIZ271M35045□VA     |
|                                            | 330         | 30×70               | 0.20                 | 483                                        | 2.00                                  | LIZ331M30070□VA     |
|                                            | 330         | 35×50               | 0.20                 | 483                                        | 2.00                                  | LIZ331M35050□VA     |
|                                            | 390         | 30×80               | 0.20                 | 409                                        | 2.40                                  | LIZ391M30080□VA     |
|                                            | 390         | 35×60               | 0.20                 | 409                                        | 2.30                                  | LIZ391M35060□VA     |
|                                            | 470         | 35×70               | 0.20                 | 339                                        | 2.70                                  | LIZ471M35070□VA     |
|                                            | 470         | 40×60               | 0.20                 | 339                                        | 2.70                                  | LIZ471M40060□VA     |
|                                            | 560         | 35×80               | 0.20                 | 285                                        | 3.10                                  | LIZ561M35080□VA     |
|                                            | 560         | 40×70               | 0.20                 | 285                                        | 3.60                                  | LIZ561M40070□VA     |
|                                            | 680         | 35×95               | 0.20                 | 235                                        | 3.60                                  | LIZ681M35095□VA     |
|                                            | 680         | 40×80               | 0.20                 | 235                                        | 4.30                                  | LIZ681M40080□VA     |
|                                            | 820         | 40×100              | 0.20                 | 195                                        | 4.40                                  | LIZ821M40100□VA     |
|                                            | 820         | 45×75               | 0.20                 | 195                                        | 4.20                                  | LIZ821M45075□VA     |
|                                            | 1000        | 45×90               | 0.20                 | 160                                        | 4.90                                  | LIZ102M45090□VA     |
|                                            | 1000        | 50×75               | 0.20                 | 160                                        | 5.00                                  | LIZ102M50075□VA     |
|                                            | 1200        | 45×105              | 0.20                 | 133                                        | 5.70                                  | LIZ122M45105□VA     |
|                                            | 1200        | 50×85               | 0.20                 | 133                                        | 5.60                                  | LIZ122M50085□VA     |
|                                            | 1500        | 50×105              | 0.20                 | 106                                        | 6.40                                  | LIZ152M50105□VA     |
| 600<br>(650)                               | 150         | 30×45               | 0.20                 | 1061                                       | 1.20                                  | LIB151M30045□VA     |
|                                            | 180         | 30×50               | 0.20                 | 885                                        | 1.40                                  | LIB181M30050□VA     |
|                                            | 220         | 30×60               | 0.20                 | 724                                        | 1.60                                  | LIB221M30060□VA     |
|                                            | 270         | 30×70               | 0.20                 | 590                                        | 1.80                                  | LIB271M30070□VA     |
|                                            | 330         | 35×60               | 0.20                 | 483                                        | 2.00                                  | LIB331M35060□VA     |
|                                            | 330         | 40×50               | 0.20                 | 483                                        | 2.00                                  | LIB331M40050□VA     |
|                                            | 390         | 35×70               | 0.20                 | 409                                        | 2.40                                  | LIB391M35070□VA     |
|                                            | 390         | 40×60               | 0.20                 | 409                                        | 2.40                                  | LIB391M40060□VA     |

\*产品编码中□内为产品端子引出型式代码

\*□Enter the appropriate terminal code.

\*记载之外的体积，请另行咨询。

\*Please ask for advice for other sizes.

\*铝电解电容器由于承受纹波电流而发热，随着温升而发生性能劣化。请在使用中降低产品承受的纹波电流。

\*Aluminum electrolytic capacitor will emit heat when ripple current is applied, the performance will deteriorate when temp. rises. Please reduce the ripple current when using capacitor.

| WV <sub>DC</sub><br>(Surge Voltage)<br>(V) | Cap<br>(μF) | Size<br>D×L<br>(mm) | tanδ<br>20℃<br>120Hz | ESR <sub>typ</sub><br>20℃<br>120Hz<br>(mΩ) | Ripple Current<br>85℃ 120Hz<br>(Arms) | Catalog Part Number |
|--------------------------------------------|-------------|---------------------|----------------------|--------------------------------------------|---------------------------------------|---------------------|
| 600<br>(650)                               | 470         | 35×80               | 0.20                 | 339                                        | 2.80                                  | LIB471M35080□VA     |
|                                            | 470         | 40×70               | 0.20                 | 339                                        | 2.80                                  | LIB471M40070□VA     |
|                                            | 560         | 35×90               | 0.20                 | 285                                        | 3.20                                  | LIB561M35090□VA     |
|                                            | 560         | 40×80               | 0.20                 | 285                                        | 3.20                                  | LIB561M40080□VA     |
|                                            | 680         | 40×90               | 0.20                 | 235                                        | 3.70                                  | LIB681M40090□VA     |
|                                            | 680         | 45×70               | 0.20                 | 235                                        | 3.60                                  | LIB681M45070□VA     |
|                                            | 820         | 45×85               | 0.20                 | 195                                        | 4.20                                  | LIB821M45085□VA     |
|                                            | 820         | 50×70               | 0.20                 | 195                                        | 4.40                                  | LIB821M50070□VA     |
|                                            | 1000        | 45×100              | 0.20                 | 160                                        | 5.10                                  | LIB102M45100□VA     |
|                                            | 1000        | 50×100              | 0.20                 | 160                                        | 5.40                                  | LIB102M50100□VA     |
| 650<br>(700)                               | 150         | 30×45               | 0.20                 | 1592                                       | 1.20                                  | LIA151M30045□VA     |
|                                            | 180         | 30×50               | 0.20                 | 1327                                       | 1.40                                  | LIA181M30050□VA     |
|                                            | 220         | 30×60               | 0.20                 | 1086                                       | 1.50                                  | LIA221M30060□VA     |
|                                            | 270         | 30×70               | 0.20                 | 885                                        | 1.80                                  | LIA271M30070□VA     |
|                                            | 270         | 35×50               | 0.20                 | 885                                        | 1.70                                  | LIA271M35050□VA     |
|                                            | 330         | 30×85               | 0.20                 | 724                                        | 2.10                                  | LIA331M30085□VA     |
|                                            | 330         | 40×50               | 0.20                 | 724                                        | 2.00                                  | LIA331M40050□VA     |
|                                            | 390         | 40×60               | 0.20                 | 612                                        | 2.20                                  | LIA391M40060□VA     |
|                                            | 470         | 40×70               | 0.20                 | 508                                        | 2.60                                  | LIA471M40070□VA     |
|                                            | 470         | 45×55               | 0.20                 | 508                                        | 2.70                                  | LIA471M45055□VA     |
|                                            | 560         | 40×80               | 0.20                 | 427                                        | 3.20                                  | LIA561M40080□VA     |
|                                            | 560         | 45×65               | 0.20                 | 427                                        | 3.30                                  | LIA561M45065□VA     |
|                                            | 680         | 40×95               | 0.20                 | 351                                        | 3.80                                  | LIA681M40095□VA     |
|                                            | 680         | 45×75               | 0.20                 | 351                                        | 3.60                                  | LIA681M45075□VA     |
|                                            | 820         | 45×90               | 0.20                 | 291                                        | 4.20                                  | LIA821M45090□VA     |
|                                            | 820         | 50×75               | 0.20                 | 291                                        | 4.20                                  | LIA821M50075□VA     |
|                                            | 1000        | 45×105              | 0.20                 | 239                                        | 4.90                                  | LIA102M45105□VA     |
|                                            | 1000        | 50×100              | 0.20                 | 239                                        | 4.80                                  | LIA102M50100□VA     |
|                                            | 1200        | 50×110              | 0.20                 | 199                                        | 5.60                                  | LIA122M50110□VA     |