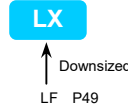


LX 系列 SERIES

Downsize

RoHS



- 小型化产品
Downsized
- 保证 85℃、2000 小时寿命。(叠加纹波电流)
Endurance with ripple current: 2000 hours at 85℃
- 额定工作电压范围: 160V~450V
Rated voltage range: 160V-450V

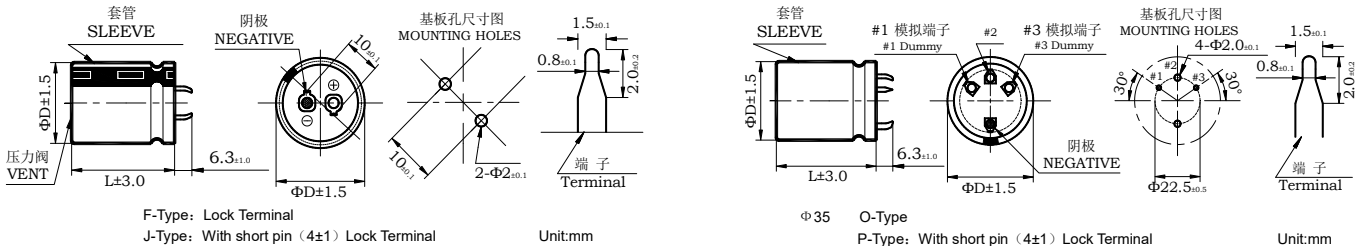
◆ 规格表 SPECIFICATIONS

项目 Items	特性 Characteristics							
工作温度范围 Operating Temperature Range	-25~+85℃							
额定工作电压范围 Rated Working Voltage Range	160~450V							
静电容量允许偏差 Capacitance Tolerance	±20% (20℃, 120Hz)							
损耗角正切值 Dissipation Factor (MAX) 20℃, 120Hz	U _R (V)	160	200	250	315	350	400	450
	tanδ	0.15	0.15	0.15	0.15	0.15	0.15	0.20
阻抗比 Impedance Ratio (MAX) 120Hz	U _R (V)	160	200	250	315	350	400	450
	Z _{25℃/20℃}	4	4	4	7	7	7	8
漏电流 Leakage Current (MAX)	I=0.01C _R U _R 或 1.5mA 取小者 (20℃, 施加额定电压 5 分钟后) I=0.01C _R U _R or 1.5mA whichever is minimum. (at 20℃, After 5 minutes application of rated voltage) I=漏电流 (µA) U _R =额定电压 (V) C _R =静电容量 (µF) Leakage Current Rated Voltage Rated Capacitance							

	使用寿命 Useful Life		负荷寿命 Load Life	耐久性特性 Endurance Test	高温无负荷特性 Shelf Life
产品寿命 Life Time	3000h	>180000h	2000h	2000h	1000h
漏电流 Leakage Current	≤规定值 ≤Specified value		≤规定值 ≤Specified value	≤规定值 ≤Specified value	≤规定值 ≤Specified value
损耗角正切值变化率 TgδChange	≤规定值的 300% ≤300% of specified value		≤规定值的 200% ≤200% of specified value	≤规定值的 200% ≤200% of specified value	≤规定值的 200% ≤200% of specified value
静电容量变化率 Capacitance Change	初始值±30%以内 Within±30% of initial value		初始值±20%以内 Within±20% of initial value	初始值±20%以内 Within±20% of initial value	初始值±20%以内 Within±20% of initial value
施加条件 Condition 施加电压 Applied Voltage 施加纹波电流 Applied Ripple Current 环境温度 Applied Temperature 失效等级 Failure Rate Level	U _R I _R 85℃ ≤1% Failure rate	U _R 1.4×I _R 40℃ ≤1% Failure rate	U _R I _R 85℃ 0%	U _R I _R =0 85℃ 0%	U _R =0 I _R =0 85℃ 0% Back up to 20℃ and placed more than 24 hours. U _R to be applied for 60 min before measurement.

◆ 尺寸图 Dimensions

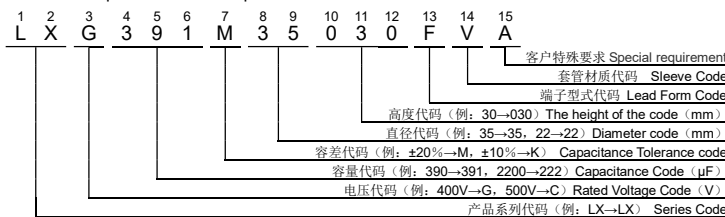
● 常用端子型式代码: Terminal Code



● 记载以外的端子形状, 请另行咨询。Please consult to us for the terminal type not displayed in content.

◆ 产品编码体系 PART NUMBER SYSTEM

● 例如: Example LX 400V390µF Φ35×30 ±20%



◆ 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) Rated voltage	50 (60)	100 (120)	300	1k	≥10k	
	160~250VV	0.80	1.00	1.17	1.32	1.50
	315~450VV	0.70	1.00	1.16	1.30	1.41
● 温度修正系数 Temperature coefficient		温度 (℃) Temperature				
电压范围 (v) Rated voltage	+40	+55	+70	+85		
	160~450VV	1.7	1.5	1.3	1.0	

◆ 产品一览表 Standard Ratings

WV _{DC} (Surge Voltage) (V)	Cap (μ F)	Size D×L (mm)	tan δ 20°C 120Hz	ESR _{typ} 20°C 120Hz (m Ω)	Ripple Current 85°C 120Hz (Arms)	Catalog Part Number	
160 (200)	680	22×30	0.15	157	2.01	LXN681M22030□VA	
	820	22×35	0.15	130	2.30	LXN821M22035□VA	
	820	25×30	0.15	130	2.32	LXN821M25030□VA	
	1000	22×40	0.15	107	2.70	LXN102M22040□VA	
	1000	25×35	0.15	107	2.74	LXN102M25035□VA	
	1200	22×45	0.15	89	3.00	LXN122M22045□VA	
	1200	25×40	0.15	89	3.06	LXN122M25040□VA	
	1500	22×55	0.15	85	3.33	LXN152M22055□VA	
	1500	25×45	0.15	85	3.27	LXN152M25045□VA	
	1500	30×35	0.15	85	3.26	LXN152M30035□VA	
	1800	25×50	0.15	71	3.70	LXN182M25050□VA	
	1800	30×40	0.15	71	3.72	LXN182M30040□VA	
	1800	35×30	0.15	71	3.63	LXN182M35030□VA	
	2200	30×45	0.15	58	4.15	LXN222M30045□VA	
	2200	35×35	0.15	58	4.09	LXN222M35035□VA	
	2700	35×40	0.15	49	4.58	LXN272M35040□VA	
	3300	35×45	0.15	37	5.00	LXN332M35045□VA	
	3900	35×50	0.15	34	5.42	LXN392M35050□VA	
200 (250)	470	22×25	0.15	226	1.55	LXL471M22025□VA	
	560	22×30	0.15	190	1.76	LXL561M22030□VA	
	560	25×25	0.15	190	1.76	LXL561M25025□VA	
	680	22×35	0.15	157	1.98	LXL681M22035□VA	
	680	25×30	0.15	130	2.00	LXL681M25030□VA	
	820	22×40	0.15	130	2.25	LXL821M22040□VA	
	820	30×25	0.15	130	2.22	LXL821M30025□VA	
	1000	22×45	0.15	107	2.56	LXL102M22045□VA	
	1000	30×30	0.15	107	2.58	LXL102M30030□VA	
	1200	22×50	0.15	89	2.90	LXL122M22050□VA	
	1200	30×35	0.15	89	2.96	LXL122M30035□VA	
	1200	35×25	0.15	89	2.85	LXL122M35025□VA	
	1500	25×50	0.15	85	3.52	LXL152M25050□VA	
	1500	30×40	0.15	85	3.54	LXL152M30040□VA	
	1500	35×30	0.15	85	3.46	LXL152M35030□VA	
	1800	30×45	0.15	71	3.86	LXL182M30045□VA	
	2200	30×50	0.15	58	4.32	LXL222M30050□VA	
	2200	35×40	0.15	58	4.30	LXL222M35040□VA	
2700	35×45	0.15	49	4.62	LXL272M35045□VA		
3300	35×50	0.15	37	4.95	LXL332M35050□VA		
250 (300)	330	22×25	0.15	483	1.22	LXJ331M22025□VA	
	390	22×30	0.15	409	1.48	LXJ391M22030□VA	
	390	25×25	0.15	409	1.48	LXJ391M25025□VA	
	470	22×35	0.15	339	1.72	LXJ471M22035□VA	
	470	25×30	0.15	339	1.73	LXJ471M25030□VA	
	560	22×40	0.15	285	1.93	LXJ561M22040□VA	
	560	25×30	0.15	285	1.82	LXJ561M25030□VA	
	560	30×25	0.15	285	1.89	LXJ561M30025□VA	
	680	22×45	0.15	235	2.08	LXJ681M22045□VA	
	680	25×35	0.15	235	2.00	LXJ681M25035□VA	
	680	30×30	0.15	235	2.09	LXJ681M30030□VA	
	820	22×50	0.15	195	2.55	LXJ821M22050□VA	
	820	25×40	0.15	195	2.48	LXJ821M25040□VA	
	820	35×25	0.15	195	2.51	LXJ821M35025□VA	
	1000	25×50	0.15	160	2.79	LXJ102M25050□VA	
	1000	30×35	0.15	160	2.66	LXJ102M30035□VA	
	1000	35×30	0.15	160	2.74	LXJ102M35030□VA	
	1200	30×40	0.15	133	3.10	LXJ122M30040□VA	
1200	35×35	0.15	133	3.21	LXJ122M35035□VA		
1500	30×50	0.15	106	3.72	LXJ152M30050□VA		
250 (300)	1500	35×40	0.15	106	3.70	LXJ152M35040□VA	
	1800	35×45	0.15	89	4.25	LXJ182M35045□VA	
	315 (365)	220	22×25	0.15	724	1.00	LXI221M22025□VA
		270	22×30	0.15	590	1.28	LXI271M22030□VA
		330	22×35	0.15	483	1.40	LXI331M22035□VA
		330	25×30	0.15	483	1.41	LXI331M25030□VA
		390	22×40	0.15	409	1.53	LXI391M22040□VA
		390	30×25	0.15	409	1.51	LXI391M30025□VA
		470	22×45	0.15	339	1.72	LXI471M22045□VA
		470	25×35	0.15	339	1.66	LXI471M25035□VA
		470	30×30	0.15	339	1.73	LXI471M30030□VA
		560	22×50	0.15	285	1.90	LXI561M22050□VA
		560	25×40	0.15	285	1.85	LXI561M25040□VA
		560	30×30	0.15	285	1.82	LXI561M30030□VA
		560	35×25	0.15	285	1.87	LXI561M35025□VA
		680	25×50	0.15	235	2.20	LXI681M25050□VA
		680	30×35	0.15	235	2.09	LXI681M30035□VA
		680	35×30	0.15	235	2.16	LXI681M35030□VA
820		30×40	0.15	195	2.35	LXI821M30040□VA	
820		35×35	0.15	195	2.44	LXI821M35035□VA	
1000	30×50	0.15	160	2.85	LXI102M30050□VA		
1000	35×35	0.15	160	2.69	LXI102M35035□VA		
1200	35×40	0.15	133	3.12	LXI122M35040□VA		
1500	35×50	0.15	106	3.85	LXI152M35050□VA		
350 (400)	180	22×25	0.15	885	0.94	LXH181M22025□VA	
	220	22×30	0.15	724	1.12	LXH221M22030□VA	
	270	22×35	0.15	590	1.32	LXH271M22035□VA	
	270	25×30	0.15	590	1.33	LXH271M25030□VA	
	330	22×35	0.15	483	1.41	LXH331M22035□VA	
	330	25×30	0.15	483	1.42	LXH331M25030□VA	
	390	22×40	0.15	409	1.57	LXH391M22040□VA	
	390	25×35	0.15	409	1.60	LXH391M25035□VA	
	470	25×40	0.15	339	1.80	LXH471M25040□VA	
	470	30×30	0.15	339	1.78	LXH471M30030□VA	
	470	35×25	0.15	339	1.82	LXH471M35025□VA	
	560	25×45	0.15	285	2.12	LXH561M25045□VA	
	560	30×35	0.15	285	2.11	LXH561M30035□VA	
	680	30×40	0.15	235	2.34	LXH681M30040□VA	
	680	35×30	0.15	235	2.28	LXH681M35030□VA	
	820	30×45	0.15	195	2.54	LXH821M30045□VA	
	820	35×35	0.15	195	2.50	LXH821M35035□VA	
	1000	35×40	0.15	160	2.90	LXH102M35040□VA	
1200	35×50	0.15	133	3.52	LXH122M35050□VA		
1500	35×60	0.15	106	4.15	LXH152M35060□VA		
400 (450)	150	22×25	0.15	1061	0.80	LXG151M22025□VA	
	180	22×30	0.15	885	0.96	LXG181M22030□VA	
	220	22×30	0.15	724	1.02	LXG221M22030□VA	
	270	22×35	0.15	590	1.24	LXG271M22035□VA	
	270	25×30	0.15	590	1.25	LXG271M25030□VA	
	270	30×25	0.15	590	1.30	LXG271M30025□VA	
	330	22×40	0.15	483	1.60	LXG331M22040□VA	
	330	25×35	0.15	483	1.62	LXG331M25035□VA	
	390	22×45	0.15	483	1.78	LXG391M22045□VA	
	390	25×40	0.15	409	1.81	LXG391M25040□VA	
	390	30×30	0.15	409	1.79	LXG391M30030□VA	
	470	25×45	0.15	339	2.05	LXG471M25045□VA	
	470	30×35	0.15	339	2.15	LXG471M30035□VA	
	560	25×50	0.15	285	2.24	LXG561M25050□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 _{DC} (Surge Voltage) (V)	Cap (μ F)	Size D×L (mm)	tan δ 20°C 120Hz	ESR _{typ} 20°C 120Hz (m Ω)	Ripple Current 85°C 120Hz (Arms)	Catalog Part Number
400 (450)	560	30×40	0.15	285	2.25	LXG561M30040□VA
	560	35×30	0.15	285	2.20	LXG561M35030□VA
	680	30×45	0.15	235	2.48	LXG681M30045□VA
	680	35×35	0.15	235	2.45	LXG681M35035□VA
	820	30×50	0.15	195	2.80	LXG821M30050□VA
	820	35×40	0.15	195	2.78	LXG821M35040□VA
	1000	35×50	0.15	160	3.38	LXG102M35050□VA
	1200	35×60	0.15	133	3.90	LXG122M35060□VA
450 (500)	1500	35×70	0.15	106	4.65	LXG152M35070□VA
	120	22×25	0.20	1327	0.70	LXE121M22025□VA
	150	22×30	0.20	1061	0.82	LXE151M22030□VA
	150	25×25	0.20	1061	0.82	LXE151M25025□VA
	180	22×35	0.20	885	0.95	LXE181M22035□VA
	220	22×40	0.20	724	1.06	LXE221M22040□VA
	220	25×30	0.20	724	1.01	LXE221M25030□VA
	220	30×25	0.20	724	1.05	LXE221M30025□VA
	270	22×45	0.20	590	1.27	LXE271M22045□VA
	270	25×35	0.20	590	1.22	LXE271M25035□VA
	330	22×50	0.20	483	1.45	LXE331M22050□VA
	330	25×40	0.20	483	1.41	LXE331M25040□VA
	330	30×30	0.20	483	1.39	LXE331M30030□VA
	330	35×25	0.20	483	1.43	LXE331M35025□VA
	390	25×45	0.20	409	1.62	LXE391M25045□VA
	390	30×35	0.20	409	1.62	LXE391M30035□VA
	470	30×40	0.20	339	2.03	LXE471M30040□VA
	470	35×30	0.20	339	1.98	LXE471M35030□VA
	560	30×45	0.20	285	2.32	LXE561M30045□VA
	560	35×35	0.20	285	2.30	LXE561M35035□VA
680	35×40	0.20	235	2.68	LXE681M35040□VA	
820	35×50	0.20	195	3.15	LXE821M35050□VA	
1000	35×60	0.20	160	3.80	LXE102M35060□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.