

HP 系列 SERIES

For
welding

Standard

RoHS



- 电焊机专用标准品。
Special design for welding machine.
- 保证 105℃、2000 小时寿命。(叠加纹波电流)
Endurance with ripple current: 2000 hours at 105℃
- 额定工作电压范围: 16V~450V
Rated voltage range: 16V-450V

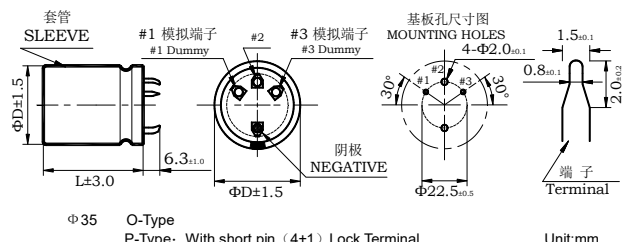
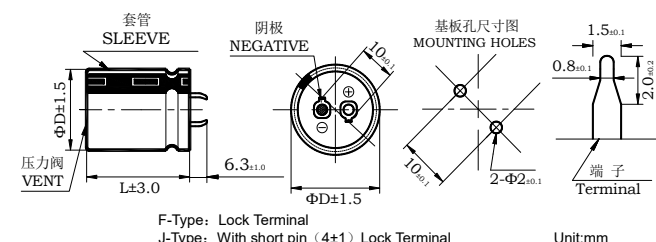
规格表 SPECIFICATIONS

项 目 Items	特 性 Characteristics																																											
工作温度范围 Operating Temperature Range	-40~-+105℃							-25~-+105℃																																				
额定工作电压范围 Rated Working Voltage Range	16~100V							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	<table><tr><td>U_R(V)</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td><td>100</td><td>160~315</td><td>350~400</td><td>450</td></tr><tr><td>tanδ</td><td>0.50</td><td>0.45</td><td>0.40</td><td>0.35</td><td>0.30</td><td>0.25</td><td>0.20</td><td>0.15</td><td>0.15</td><td>0.20</td></tr></table>											U _R (V)	16	25	35	50	63	80	100	160~315	350~400	450	tanδ	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.15	0.20											
U _R (V)	16	25	35	50	63	80	100	160~315	350~400	450																																		
tanδ	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.15	0.20																																		
阻 抗 比 Impedance Ratio (MAX) 120Hz	<table><tr><td>U_R(V)</td><td colspan="2">16~100</td><td colspan="2">160~200</td><td>250</td><td>315</td><td colspan="2">350~400</td><td colspan="2">450</td></tr><tr><td>Z_{-25℃/ Z+20℃}</td><td colspan="2">4</td><td colspan="2">3</td><td>4</td><td>7</td><td colspan="2">7</td><td colspan="2">8</td></tr><tr><td>Z_{40℃/ Z+20℃}</td><td colspan="2">18</td><td colspan="2"></td><td></td><td></td><td colspan="2"></td><td colspan="2"></td></tr></table>											U _R (V)	16~100		160~200		250	315	350~400		450		Z _{-25℃/ Z+20℃}	4		3		4	7	7		8		Z _{40℃/ Z+20℃}	18									
U _R (V)	16~100		160~200		250	315	350~400		450																																			
Z _{-25℃/ Z+20℃}	4		3		4	7	7		8																																			
Z _{40℃/ Z+20℃}	18																																											
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	4000h	>180000	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 tanδ Change	≤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 105℃ ≤1% Failure rate	U _R 1.4×I _R 40℃ ≤1% Failure rate	U _R I _R 105℃ 0%	U _R I _R =0 105℃ 0%	U _R =0 I _R =0 105℃ 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 HP 400V470µF Φ35×50 ±20%

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
H	P	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: HP→HP) 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) Rated voltage	50 (60)	100 (120)	300	1k	≥10k
16~50WV	0.90	1.00	1.10	1.15	1.15
63~100WV	0.85	1.00	1.17	1.32	1.45
160~450WV	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) Rated voltage	+40	+55	+70	+85	+105
16~450WV	2.7	2.5	2.1	1.7	1.0

HP 系列 SERIES

◆产品一览表 Standard Ratings

WV _{DC} (Surge Voltage) (V)	Cap (μ F)	Size D×L (mm)	tan δ 20℃ 120Hz	ESR _{typ} 20℃ 120Hz (m Ω)	Ripple Current 105℃ 120Hz (Arms)	Catalog Part Number
16 (20)	6800	22×25	0.50	68	2.25	HPV682M22025□VA
	8200	22×25	0.50	57	2.43	HPV822M22025□VA
	10000	22×30	0.50	46	2.79	HPV103M22030□VA
	10000	25×25	0.50	46	2.79	HPV103M25025□VA
	12000	22×35	0.50	39	2.90	HPV123M22035□VA
	12000	25×30	0.50	39	2.90	HPV123M25030□VA
	12000	30×25	0.50	39	2.90	HPV123M30025□VA
	15000	22×40	0.50	31	3.20	HPV153M22040□VA
	15000	25×30	0.50	31	3.20	HPV153M25030□VA
	15000	30×25	0.50	31	3.20	HPV153M30025□VA
	18000	22×45	0.50	26	3.50	HPV183M22045□VA
	18000	25×35	0.50	26	3.50	HPV183M25035□VA
	18000	30×30	0.50	26	3.50	HPV183M30030□VA
	18000	35×25	0.50	26	3.50	HPV183M35025□VA
	22000	25×40	0.50	21	3.80	HPV223M25040□VA
	22000	30×35	0.50	21	3.80	HPV223M30035□VA
	22000	35×25	0.50	21	3.80	HPV223M35025□VA
	27000	25×50	0.50	17	4.20	HPV273M25050□VA
	27000	30×35	0.50	17	4.20	HPV273M30035□VA
	27000	35×30	0.50	17	4.20	HPV273M35030□VA
	33000	30×45	0.50	14	4.70	HPV333M30045□VA
	33000	35×35	0.50	14	4.70	HPV333M35035□VA
	39000	30×50	0.50	12	5.10	HPV393M30050□VA
	39000	35×35	0.50	12	5.10	HPV393M35035□VA
	47000	30×55	0.50	10	5.55	HPV473M30055□VA
	47000	35×40	0.50	10	5.55	HPV473M35040□VA
	56000	30×60	0.50	8	5.90	HPV563M30060□VA
	56000	35×45	0.50	8	5.90	HPV563M35045□VA
	68000	35×55	0.50	7	6.30	HPV683M35055□VA
	82000	35×60	0.50	6	6.40	HPV823M35060□VA
25 (32)	4700	22×25	0.45	85	2.04	HPU472M22025□VA
	5600	22×30	0.45	71	2.23	HPU562M22030□VA
	6800	22×30	0.45	59	2.40	HPU682M22030□VA
	6800	25×25	0.45	59	2.40	HPU682M25025□VA
	8200	22×35	0.45	49	2.70	HPU822M22035□VA
	8200	25×30	0.45	49	2.70	HPU822M25030□VA
	8200	30×25	0.45	49	2.70	HPU822M30025□VA
	10000	22×40	0.45	40	3.00	HPU103M22040□VA
	10000	25×35	0.45	40	3.00	HPU103M25035□VA
	10000	30×25	0.45	40	3.00	HPU103M30025□VA
	12000	22×45	0.45	33	3.20	HPU123M22045□VA
	12000	25×40	0.45	33	3.20	HPU123M25040□VA
	12000	30×30	0.45	33	3.20	HPU123M30030□VA
	12000	35×25	0.45	33	3.20	HPU123M35025□VA
	15000	25×45	0.45	27	3.60	HPU153M25045□VA
	15000	30×35	0.45	27	3.60	HPU153M30035□VA
	15000	35×25	0.45	27	3.60	HPU153M35025□VA
	18000	25×50	0.45	22	3.90	HPU183M25050□VA
	18000	30×40	0.45	22	3.90	HPU183M30040□VA
	18000	35×30	0.45	22	3.90	HPU183M35030□VA
	22000	30×45	0.45	18	4.30	HPU223M30045□VA
	22000	35×35	0.45	18	4.30	HPU223M35035□VA
	27000	30×50	0.45	15	4.80	HPU273M30050□VA
	27000	35×40	0.45	15	4.80	HPU273M35040□VA
	33000	30×60	0.45	12	5.55	HPU333M30060□VA
	33000	35×45	0.45	12	5.55	HPU333M35045□VA
	39000	35×50	0.45	10	6.00	HPU393M35050□VA
	47000	35×60	0.45	9	6.56	HPU473M35060□VA

WV _{DC} (Surge Voltage) (V)	Cap (μ F)	Size D×L (mm)	tan δ 20℃ 120Hz	ESR _{typ} 20℃ 120Hz (m Ω)	Ripple Current 105℃ 120Hz (Arms)	Catalog Part Number
35 (44)	2700	22×25	0.40	133	1.62	HPT272M22025□VA
	3300	22×30	0.40	108	1.94	HPT332M22030□VA
	3300	25×25	0.40	108	1.94	HPT332M25025□VA
	3900	22×30	0.40	92	2.02	HPT392M22030□VA
	3900	25×25	0.40	92	2.02	HPT392M25025□VA
	4700	22×35	0.40	76	2.21	HPT472M22035□VA
	4700	25×30	0.40	76	2.20	HPT472M25030□VA
	4700	30×25	0.40	76	2.20	HPT472M30025□VA
	5600	22×40	0.40	64	2.40	HPT562M22040□VA
	5600	25×30	0.40	64	2.40	HPT562M25030□VA
	5600	30×25	0.40	64	2.40	HPT562M30025□VA
	6800	22×45	0.40	53	2.78	HPT682M22045□VA
	6800	25×35	0.40	53	2.78	HPT682M25035□VA
	6800	30×30	0.40	53	2.78	HPT682M30030□VA
	6800	35×25	0.40	53	2.78	HPT682M35025□VA
	8200	22×50	0.40	44	2.90	HPT822M22050□VA
	8200	25×40	0.40	44	2.90	HPT822M25040□VA
	8200	30×30	0.40	44	2.90	HPT822M30030□VA
	8200	35×25	0.40	44	2.90	HPT822M35025□VA
	10000	25×45	0.40	36	3.20	HPT103M25045□VA
	10000	30×35	0.40	36	3.20	HPT103M30035□VA
	10000	35×30	0.40	36	3.20	HPT103M35030□VA
	12000	25×50	0.40	30	3.50	HPT123M25050□VA
	12000	30×40	0.40	30	3.50	HPT123M30040□VA
	12000	35×30	0.40	30	3.50	HPT123M35030□VA
	15000	30×45	0.40	24	3.90	HPT153M30045□VA
	15000	35×35	0.40	24	3.90	HPT153M35035□VA
	18000	30×50	0.40	20	4.51	HPT183M30050□VA
	18000	35×40	0.40	20	4.51	HPT183M35040□VA
	22000	35×50	0.40	16	5.24	HPT223M35050□VA
	27000	35×55	0.40	13	5.60	HPT273M35055□VA
50 (63)	1500	22×25	0.35	195	1.29	HPR152M22025□VA
	1800	22×25	0.35	162	1.53	HPR182M22025□VA
	2200	22×30	0.35	133	1.72	HPR222M22030□VA
	2200	25×25	0.35	133	1.70	HPR222M25025□VA
	2700	22×30	0.35	108	1.82	HPR272M22030□VA
	2700	25×25	0.35	108	1.80	HPR272M25025□VA
	3300	22×35	0.35	89	2.01	HPR332M22035□VA
	3300	25×30	0.35	89	2.01	HPR332M25030□VA
	3300	30×25	0.35	89	2.01	HPR332M30025□VA
	3900	22×40	0.35	75	2.23	HPR392M22040□VA
	3900	25×35	0.35	75	2.23	HPR392M25035□VA
	3900	30×25	0.35	75	2.23	HPR392M30025□VA
	4700	22×45	0.35	62	2.50	HPR472M22045□VA
	4700	25×40	0.35	62	2.50	HPR472M25040□VA
	4700	30×30	0.35	62	2.50	HPR472M30030□VA
	4700	35×25	0.35	62	2.50	HPR472M35025□VA
	5600	22×50	0.35	52	2.80	HPR562M22050□VA
	5600	25×40	0.35	52	2.80	HPR562M25040□VA
	5600	30×35	0.35	52	2.80	HPR562M30035□VA
	5600	35×25	0.35	52	2.80	HPR562M35025□VA
	6800	25×50	0.35	43	3.30	HPR682M25050□VA
	6800	30×40	0.35	43	3.30	HPR682M30040□VA
	6800	35×30	0.35	43	3.30	HPR682M35030□VA
	8200	30×45	0.35	36	3.85	HPR822M30045□VA
	8200	35×35	0.35	36	3.85	HPR822M35035□VA
	10000	30×50	0.35	29	4.49	HPR103M30050□VA
	10000	35×40	0.35	29	4.49	HPR103M35040□VA

*产品编码中□内为产品端子引出型式代码

*□Enter the appropriate terminal code

HP 系列 SERIES

◆ 产品一览表 Standard Ratings

WV _{DC} (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20℃ 120Hz	ESR _{typ} 20℃ 120Hz (mΩ)	Ripple Current 105℃120Hz (Arms)	Catalog Part Number
50 (63)	12000	30×55	0.35	24	4.56	HPR123M30055□VA
	12000	35×45	0.35	24	4.56	HPR123M35045□VA
	15000	35×60	0.35	20	5.10	HPR153M35060□VA
63 (79)	1000	22×25	0.30	239	1.21	HPQ102M22025□VA
	1200	22×25	0.30	199	1.40	HPQ122M22025□VA
	1500	22×30	0.30	159	1.52	HPQ152M22030□VA
	1500	25×25	0.30	159	1.52	HPQ152M25025□VA
	1800	22×30	0.30	133	1.72	HPQ182M22030□VA
	1800	25×25	0.30	133	1.72	HPQ182M25025□VA
	2200	22×35	0.30	109	2.01	HPQ222M22035□VA
	2200	25×30	0.30	109	2.01	HPQ222M25030□VA
	2200	30×25	0.30	109	2.01	HPQ222M30025□VA
	2700	22×40	0.30	89	2.20	HPQ272M22040□VA
	2700	25×35	0.30	89	2.20	HPQ272M25035□VA
	2700	30×25	0.30	89	2.20	HPQ272M30025□VA
	3300	22×45	0.30	72	2.60	HPQ332M22045□VA
	3300	25×40	0.30	72	2.60	HPQ332M25040□VA
	3300	30×30	0.30	72	2.60	HPQ332M30030□VA
	3300	35×25	0.30	72	2.60	HPQ332M35025□VA
	3900	25×45	0.30	61	2.57	HPQ392M25045□VA
	3900	30×35	0.30	61	2.70	HPQ392M30035□VA
	4700	30×35	0.30	51	2.86	HPQ392M35035□VA
	5600	30×40	0.30	43	3.22	HPQ562M30040□VA
	5600	35×35	0.30	43	3.30	HPQ562M35035□VA
	6800	30×50	0.30	35	3.68	HPQ682M30050□VA
	6800	35×35	0.30	35	3.84	HPQ682M35035□VA
	8200	30×55	0.30	29	4.43	HPQ822M30055□VA
	8200	35×40	0.30	29	4.43	HPQ822M35040□VA
	10000	35×50	0.30	24	5.11	HPQ103M35050□VA
	12000	35×55	0.30	20	5.30	HPQ123M35055□VA
80 (100)	820	22×25	0.25	243	1.04	HPP821M22025□VA
	1000	22×25	0.25	199	1.19	HPP102M22025□VA
	1200	22×30	0.25	166	1.50	HPP122M22030□VA
	1200	25×25	0.25	166	1.50	HPP122M25025□VA
	1500	22×35	0.25	133	1.59	HPP152M22035□VA
	1500	25×30	0.25	133	1.59	HPP152M25030□VA
	1800	22×40	0.25	111	1.79	HPP182M22040□VA
	1800	25×30	0.25	111	1.79	HPP182M25030□VA
	1800	30×25	0.25	111	1.79	HPP182M30025□VA
	2200	22×45	0.25	91	2.03	HPP222M22045□VA
	2200	25×35	0.25	91	2.10	HPP222M25035□VA
	2200	30×30	0.25	91	2.10	HPP222M30030□VA
	2200	35×25	0.25	91	2.10	HPP222M35025□VA
	2700	22×50	0.25	74	2.39	HPP272M22050□VA
	2700	25×40	0.25	74	2.35	HPP272M25040□VA
	2700	30×30	0.25	74	2.35	HPP272M30030□VA
	2700	35×25	0.25	74	2.35	HPP272M35025□VA
	3300	25×50	0.25	60	2.60	HPP332M25050□VA
	3300	30×35	0.25	60	2.61	HPP332M30035□VA
	3300	35×25	0.25	60	2.64	HPP332M35025□VA
	3900	30×40	0.25	51	2.97	HPP392M30040□VA
	3900	35×30	0.25	51	2.97	HPP392M35030□VA
	4700	30×45	0.25	42	3.34	HPP472M30045□VA
	4700	35×40	0.25	42	3.38	HPP472M35040□VA
	5600	30×55	0.25	36	3.80	HPP562M30055□VA
	5600	35×40	0.25	36	3.80	HPP562M35040□VA
	6800	30×60	0.25	29	3.90	HPP682M30060□VA
	6800	35×45	0.25	29	3.90	HPP682M35045□VA

WV _{DC} (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20℃ 120Hz	ESR _{typ} 20℃ 120Hz (mΩ)	Ripple Current 105℃120Hz (Arms)	Catalog Part Number
80 (100)	8200	35×55	0.25	24	4.20	HPP822M35055□VA
	10000	35×60	0.20	20	4.48	HPP103M35060□VA
100 (125)	470	22×25	0.20	282	0.68	HPO471M22025□VA
	560	22×25	0.20	237	0.95	HPO561M22025□VA
	680	22×30	0.20	195	1.15	HPO681M22030□VA
	680	25×25	0.20	195	1.15	HPO681M25025□VA
	820	22×30	0.20	162	1.40	HPO821M22030□VA
	820	25×25	0.20	162	1.40	HPO821M25025□VA
	1000	22×35	0.20	133	1.47	HPO102M22035□VA
	1000	25×30	0.20	133	1.47	HPO102M25030□VA
	1000	30×25	0.20	133	1.47	HPO102M30025□VA
	1200	22×40	0.20	111	1.69	HPO122M22040□VA
	1200	25×30	0.20	111	1.68	HPO122M25030□VA
	1200	30×25	0.20	111	1.68	HPO122M30025□VA
	1500	25×40	0.20	89	1.98	HPO152M25040□VA
	1500	30×30	0.20	89	1.95	HPO152M30030□VA
	1500	35×25	0.20	89	1.95	HPO152M35025□VA
	1800	25×45	0.20	74	2.20	HPO182M25045□VA
	1800	30×35	0.20	74	2.20	HPO182M30035□VA
	1800	35×25	0.20	74	2.20	HPO182M35025□VA
	2200	25×50	0.20	60	2.53	HPO222M25050□VA
	2200	30×40	0.20	60	2.55	HPO222M30040□VA
	2200	35×30	0.20	60	2.60	HPO222M35030□VA
	2700	30×45	0.20	49	2.86	HPO272M30045□VA
	2700	35×35	0.20	49	2.90	HPO272M35035□VA
	3300	30×50	0.20	40	3.30	HPO332M30050□VA
	3300	35×40	0.20	40	3.30	HPO332M35040□VA
	3900	30×60	0.20	34	3.60	HPO392M30060□VA
	3900	35×45	0.20	34	3.67	HPO392M35045□VA
	4700	35×50	0.20	28	3.80	HPO472M35050□VA
	5600	35×60	0.20	24	4.05	HPO562M35060□VA
160 (200)	180	22×25	0.15	627	0.70	HPN181M22025□VA
	220	22×25	0.15	513	0.78	HPN221M22025□VA
	270	22×30	0.15	418	1.10	HPN271M22030□VA
	330	22×30	0.15	342	1.20	HPN331M22030□VA
	330	25×25	0.15	342	1.20	HPN331M25025□VA
	390	22×35	0.15	289	1.30	HPN391M22035□VA
	390	25×30	0.15	289	1.30	HPN391M25030□VA
	390	30×25	0.15	289	1.30	HPN391M30025□VA
	470	22×40	0.15	240	1.55	HPN471M22040□VA
	470	25×35	0.15	240	1.55	HPN471M25035□VA
	470	30×25	0.15	240	1.55	HPN471M30025□VA
	560	22×45	0.15	201	1.67	HPN561M22045□VA
	560	25×35	0.15	201	1.67	HPN561M25035□VA
	560	30×30	0.15	201	1.67	HPN561M30030□VA
	680	22×50	0.15	166	1.82	HPN681M22050□VA
	680	25×40	0.15	166	1.85	HPN681M25040□VA
	680	30×30	0.15	166	1.82	HPN681M30030□VA
	680	35×25	0.15	166	1.82	HPN681M35025□VA
	820	25×45	0.15	138	2.04	HPN821M25045□VA
	820	30×35	0.15	138	2.04	HPN821M30035□VA
	820	35×30	0.15	138	2.04	HPN821M35030□VA
	1000	25×50	0.15	113	2.40	HPN102M25050□VA
	1000	30×40	0.15	113	2.25	HPN102M30040□VA
	1000	35×30	0.15	113	2.25	HPN102M35030□VA
	1200	30×45	0.15	94	2.49	HPN122M30045□VA
	1200	35×35	0.15	94	2.49	HPN122M35035□VA
	1500	30×50	0.15	75	2.84	HPN152M30050□VA

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HP 系列 SERIES

◆ 产品一览表 Standard Ratings

WV _{DC} (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20℃ 120Hz	ESR _{typ} 20℃ 120Hz (mΩ)	Ripple Current 105℃ 120Hz (Arms)	Catalog Part Number
160 (200)	1500	35×40	0.15	75	2.84	HPN152M35040□VA
	1800	30×60	0.15	63	3.32	HPN182M30060□VA
	1800	35×45	0.15	63	3.32	HPN182M35045□VA
	2200	35×55	0.15	51	3.60	HPN222M35055□VA
	2700	35×60	0.15	42	4.16	HPN272M35060□VA
200 (250)	150	22×25	0.15	752	0.70	HPL151M22025□VA
	180	22×25	0.15	627	0.80	HPL181M22025□VA
	220	22×25	0.15	513	1.00	HPL221M22025□VA
	270	22×30	0.15	418	1.10	HPL271M22030□VA
	270	25×25	0.15	418	1.10	HPL271M25025□VA
	330	22×35	0.15	342	1.25	HPL331M22035□VA
	330	25×25	0.15	342	1.25	HPL331M25025□VA
	390	22×35	0.15	289	1.35	HPL391M22035□VA
	390	25×30	0.15	289	1.35	HPL391M25030□VA
	390	30×25	0.15	289	1.36	HPL391M30025□VA
	470	22×40	0.15	240	1.50	HPL471M22040□VA
	470	25×35	0.15	240	1.50	HPL471M25035□VA
	470	30×25	0.15	240	1.50	HPL471M30025□VA
	560	22×45	0.15	201	1.67	HPL561M22045□VA
	560	25×35	0.15	201	1.60	HPL561M25035□VA
	560	30×30	0.15	201	1.67	HPL561M30030□VA
	560	35×25	0.15	201	1.60	HPL561M35025□VA
	680	25×45	0.15	166	1.78	HPL681M25045□VA
	680	30×35	0.15	166	1.78	HPL681M30035□VA
	680	35×25	0.15	166	1.78	HPL681M35025□VA
	820	25×50	0.15	138	2.00	HPL821M25050□VA
	820	30×40	0.15	138	2.04	HPL821M30040□VA
	820	35×30	0.15	138	2.00	HPL821M35030□VA
	1000	30×45	0.15	113	2.30	HPL102M30045□VA
	1000	35×35	0.15	113	2.30	HPL102M35035□VA
	1200	30×50	0.15	94	2.65	HPL122M30050□VA
	1200	35×40	0.15	94	2.65	HPL122M35040□VA
	1500	30×60	0.15	75	3.12	HPL152M30060□VA
	1500	35×30	0.15	75	3.12	HPL152M35030□VA
	1800	35×50	0.15	63	3.50	HPL182M35050□VA
	2200	35×60	0.15	51	4.32	HPL222M35060□VA
250 (300)	100	22×25	0.15	1128	0.50	HPJ101M22025□VA
	120	22×25	0.15	940	0.58	HPJ121M22025□VA
	150	22×30	0.15	752	0.79	HPJ151M22030□VA
	150	25×25	0.15	752	0.79	HPJ151M25025□VA
	180	22×30	0.15	627	0.90	HPJ181M22030□VA
	180	25×25	0.15	627	0.88	HPJ181M25025□VA
	220	22×35	0.15	513	1.0	HPJ221M22035□VA
	270	25×30	0.15	418	1.18	HPJ271M25030□VA
	270	22×40	0.15	418	1.18	HPJ271M22040□VA
	270	25×35	0.15	418	1.27	HPJ271M25035□VA
	270	30×25	0.15	418	1.27	HPJ271M30025□VA
	330	22×45	0.15	342	1.30	HPJ331M22045□VA
	330	25×35	0.15	342	1.30	HPJ331M25035□VA
	330	30×30	0.15	342	1.35	HPJ331M30030□VA
	330	35×25	0.15	342	1.30	HPJ331M35025□VA
	390	22×50	0.15	289	1.49	HPJ391M22050□VA
	390	25×40	0.15	289	1.49	HPJ391M25040□VA
	390	30×30	0.15	289	1.49	HPJ391M30030□VA
	390	35×25	0.15	289	1.49	HPJ391M35025□VA
	470	25×45	0.15	240	1.65	HPJ471M25045□VA
	470	30×35	0.15	240	1.65	HPJ471M30035□VA
	470	35×30	0.15	240	1.65	HPJ471M35030□VA

WV _{DC} (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20℃ 120Hz	ESR _{typ} 20℃ 120Hz (mΩ)	Ripple Current 105℃ 120Hz (Arms)	Catalog Part Number
250 (300)	560	30×40	0.15	201	1.80	HPJ561M30040□VA
	560	35×30	0.15	201	1.80	HPJ561M35030□VA
	680	30×45	0.15	166	2.00	HPJ681M30045□VA
	680	35×35	0.15	166	2.00	HPJ681M35035□VA
	820	30×55	0.15	138	2.30	HPJ821M30055□VA
	820	35×40	0.15	138	2.30	HPJ821M35040□VA
	1000	30×60	0.15	113	2.70	HPJ102M30060□VA
	1000	35×50	0.15	113	2.70	HPJ102M35050□VA
	1200	35×55	0.15	94	3.09	HPJ122M35055□VA
	82	22×25	0.15	1376	0.64	HPI820M22025□VA
	100	22×25	0.15	1128	0.69	HPI101M22025□VA
	120	22×30	0.15	940	0.75	HPI121M22030□VA
315 (365)	120	25×25	0.15	940	0.75	HPI121M25025□VA
	150	22×35	0.15	752	0.82	HPI151M22035□VA
	150	25×30	0.15	752	0.82	HPI151M25030□VA
	180	22×40	0.15	627	0.86	HPI181M22040□VA
	180	25×35	0.15	627	0.86	HPI181M25035□VA
	180	30×25	0.15	627	0.86	HPI181M30025□VA
	220	22×45	0.15	513	0.98	HPI221M22045□VA
	220	25×40	0.15	513	1.04	HPI221M25040□VA
	220	30×30	0.15	513	1.04	HPI221M30030□VA
	270	22×50	0.15	418	1.10	HPI271M22050□VA
	270	25×45	0.15	418	1.16	HPI271M25045□VA
	270	30×35	0.15	418	1.16	HPI271M30035□VA
	270	35×25	0.15	418	1.16	HPI271M35025□VA
	330	25×50	0.15	342	1.33	HPI331M25050□VA
	330	30×40	0.15	342	1.33	HPI331M30040□VA
	330	35×30	0.15	342	1.33	HPI331M35030□VA
	390	30×45	0.15	289	1.40	HPI391M30045□VA
	390	35×35	0.15	289	1.47	HPI391M35035□VA
	470	30×50	0.15	240	1.70	HPI471M30050□VA
	470	35×40	0.15	240	1.70	HPI471M35040□VA
	560	30×55	0.15	201	1.95	HPI561M30055□VA
	560	35×45	0.15	201	2.05	HPI561M35045□VA
	680	30×60	0.15	166	2.17	HPI681M30060□VA
	680	35×50	0.15	166	2.17	HPI681M35050□VA
	820	35×55	0.15	138	2.20	HPI821M35055□VA
	1000	35×60	0.15	113	2.48	HPI102M35060□VA
350 (400)	68	22×25	0.15	1659	0.47	HPH680M22025□VA
	82	22×25	0.15	1376	0.54	HPH820M22025□VA
	100	22×30	0.15	1128	0.60	HPH101M22030□VA
	100	25×25	0.15	1128	0.60	HPH101M25025□VA
	120	22×35	0.15	940	0.70	HPH121M22035□VA
	120	25×25	0.15	940	0.70	HPH121M25025□VA
	150	22×40	0.15	752	0.77	HPH151M22040□VA
	150	25×30	0.15	752	0.78	HPH151M25030□VA
	150	30×25	0.15	752	0.78	HPH151M30025□VA
	180	22×45	0.15	627	0.87	HPH181M22045□VA
	180	25×35	0.15	627	0.92	HPH181M25035□VA
	180	30×25	0.15	627	0.90	HPH181M30025□VA
	220	22×50	0.15	513	1.04	HPH221M22050□VA
	220	25×40	0.15	513	1.04	HPH221M25040□VA
	220	30×30	0.15	513	1.02	HPH221M30030□VA
	220	35×25	0.15	513	1.04	HPH221M35025□VA
	270	25×50	0.15	418	1.18	HPH271M25050□VA
	270	30×35	0.15	418	1.17	HPH271M30035□VA
	270	35×30	0.15	418	1.21	HPH271M35030□VA
	330	25×45	0.15	342	1.29	HPH331M25045□VA

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WV _{DC} (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20℃ 120Hz	ESR _{typ} 20℃ 120Hz (mΩ)	Ripple Current 105℃ 120Hz (Arms)	Catalog Part Number
350 (400)	330	30×45	0.15	342	1.34	HPH331M30045□VA
	330	35×35	0.15	342	1.22	HPH331M35035□VA
	390	30×50	0.15	289	1.44	HPH391M30050□VA
	390	35×40	0.15	289	1.44	HPH391M35040□VA
	470	30×50	0.15	240	1.57	HPH471M30050□VA
	470	35×45	0.15	240	1.69	HPH471M35045□VA
	560	30×60	0.15	201	1.85	HPH561M30060□VA
	560	35×50	0.15	201	1.90	HPH561M35050□VA
	680	35×55	0.15	166	2.22	HPH681M35055□VA
	820	35×60	0.15	138	2.40	HPH821M35060□VA
400 (450)	1000	35×60	0.15	113	3.00	HPH102M35060□VA
	47	22×25	0.15	2400	0.40	HPG470M22025□VA
	56	22×25	0.15	2014	0.51	HPG560M22025□VA
	68	22×25	0.15	1659	0.55	HPG680M22025□VA
	82	22×30	0.15	1376	0.64	HPG820M22030□VA
	82	25×25	0.15	1376	0.64	HPG820M25025□VA
	100	22×30	0.15	1128	0.70	HPG101M22030□VA
	100	25×25	0.15	1128	0.70	HPG101M22025□VA
	120	22×35	0.15	940	0.75	HPG121M22035□VA
	120	25×30	0.15	940	0.75	HPG121M25030□VA
	120	30×25	0.15	940	0.75	HPG121M30025□VA
	150	22×40	0.15	752	0.83	HPG151M22040□VA
	150	25×35	0.15	752	0.83	HPG151M25035□VA
	150	30×25	0.15	752	0.88	HPG151M30025□VA
	180	22×50	0.15	627	0.96	HPG181M22050□VA
	180	25×40	0.15	627	0.98	HPG181M25040□VA
	180	30×30	0.15	627	0.98	HPG181M30030□VA
	180	35×25	0.15	627	0.98	HPG181M35025□VA
	220	25×45	0.15	513	1.06	HPG221M25045□VA
	220	30×35	0.15	513	1.04	HPG221M30035□VA
	220	35×25	0.15	513	1.10	HPG221M35025□VA
	270	25×50	0.15	418	1.29	HPG271M25050□VA
	270	30×40	0.15	418	1.22	HPG271M30040□VA
	270	35×30	0.15	418	1.22	HPG271M35030□VA
	330	30×45	0.15	342	1.55	HPG331M30045□VA
	330	35×35	0.15	342	1.44	HPG331M35035□VA
	390	35×40	0.15	289	1.60	HPG391M35040□VA
	470	30×60	0.15	240	1.90	HPG471M30060□VA
	470	35×45	0.15	240	1.90	HPG471M35045□VA
	560	35×50	0.15	201	2.12	HPG561M35050□VA
	680	35×60	0.15	166	2.30	HPG681M35060□VA
	820	35×65	0.15	138	2.70	HPG681M35060□VA

WV _{DC} (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20℃ 120Hz	ESR _{typ} 20℃ 120Hz (mΩ)	Ripple Current 105℃ 120Hz (Arms)	Catalog Part Number
450 (500)	47	22×25	0.20	2682	0.39	HPE470M22025□VA
	56	22×25	0.20	2251	0.50	HPE560M22025□VA
	68	22×30	0.20	1854	0.53	HPE680M22030□VA
	68	25×25	0.20	1854	0.53	HPE680M25025□VA
	82	22×35	0.20	1537	0.64	HPE820M22035□VA
	82	25×30	0.20	1537	0.64	HPE820M25030□VA
	100	22×40	0.20	1260	0.65	HPE101M22040□VA
	100	25×30	0.20	1260	0.64	HPE101M25030□VA
	100	30×25	0.20	1260	0.72	HPE101M30025□VA
	120	22×45	0.20	1051	0.80	HPE121M22045□VA
	120	25×35	0.20	1051	0.80	HPE121M25035□VA
	120	30×30	0.20	1051	0.80	HPE121M30030□VA
	150	22×50	0.20	840	0.84	HPE151M22050□VA
	150	30×30	0.20	840	0.88	HPE151M30030□VA
	180	25×45	0.20	700	1.00	HPE181M25045□VA
	180	30×35	0.20	700	1.00	HPE181M30035□VA
	220	25×50	0.20	573	1.12	HPE221M25050□VA
	220	35×30	0.20	573	1.12	HPE221M35030□VA
	270	30×45	0.20	467	1.28	HPE271M30045□VA
	270	35×35	0.20	467	1.28	HPE271M35035□VA
	330	30×50	0.20	382	1.39	HPE331M30050□VA
	330	35×40	0.20	382	1.45	HPE331M35040□VA
	390	30×60	0.20	323	1.60	HPE391M30060□VA
	390	35×45	0.20	323	1.60	HPE391M35045□VA
	470	35×50	0.20	268	1.85	HPE471M35050□VA
	560	35×60	0.20	225	2.00	HPE561M35060□VA
	680	35×60	0.20	185	2.32	HPE561M35060□VA
	680	35×65	0.20	185	2.40	HPE561M35060□VA
	820	35×65	0.20	154	2.70	HPE561M35060□VA
	820	35×70	0.20	154	2.79	HPE561M35060□VA

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*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.