

# LP 系列 SERIES



- 电焊机专用标准品。  
Special design for welding machine
- 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: 16V~500V  
Rated voltage range: 16V-500V

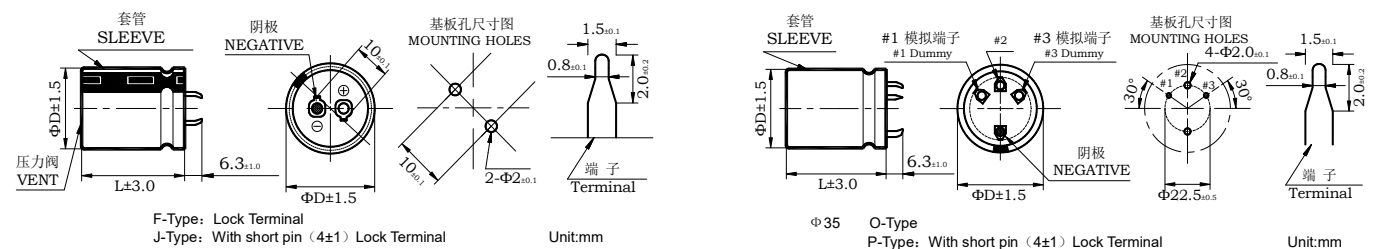
## 规格表 SPECIFICATIONS

项目 Items	特性 Characteristics																							
工作温度范围 Operating Temperature Range	-40~+85℃	-25~+85℃																						
额定工作电压范围 Rated Working Voltage Range	16~100V	160~500V																						
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 border="1"> <tr> <td>U<sub>R</sub>(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>450~500</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>0.18</td> <td>0.20</td> </tr> </table>		U <sub>R</sub> (V)	16	25	35	50	63	80	100	160~315	350~400	450~500	tanδ	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.18	0.20
U <sub>R</sub> (V)	16	25	35	50	63	80	100	160~315	350~400	450~500														
tanδ	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.18	0.20														
阻抗比 Impedance Ratio (MAX) 120Hz	<table border="1"> <tr> <td>U<sub>R</sub>(V)</td> <td>16~100</td> <td>160~200</td> <td>250</td> <td>315</td> <td>350~400</td> <td>450~500</td> </tr> <tr> <td>Z<sub>25℃/Z+20℃</sub></td> <td>4</td> <td>3</td> <td>4</td> <td>7</td> <td>7</td> <td>8</td> </tr> <tr> <td>Z<sub>40℃/Z+20℃</sub></td> <td>18</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		U <sub>R</sub> (V)	16~100	160~200	250	315	350~400	450~500	Z <sub>25℃/Z+20℃</sub>	4	3	4	7	7	8	Z <sub>40℃/Z+20℃</sub>	18						
U <sub>R</sub> (V)	16~100	160~200	250	315	350~400	450~500																		
Z <sub>25℃/Z+20℃</sub>	4	3	4	7	7	8																		
Z <sub>40℃/Z+20℃</sub>	18																							
漏电流 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) 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) I=漏电流 (μA)                      U <sub>R</sub> =额定电压 (V)                      C <sub>R</sub> =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 Shelf Life	4000h	>65000	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 <sub>R</sub> I <sub>R</sub> 85℃ ≤1% Failure rate	U <sub>R</sub> 1.2×I <sub>R</sub> 40℃ ≤1% Failure rate	U <sub>R</sub> I <sub>R</sub> 85℃ 0%	U <sub>R</sub> =0 I <sub>R</sub> =0 85℃ 0% Back up to 20℃ and placed more than 24 hours. U <sub>R</sub> to be applied for 60 min before measurement.

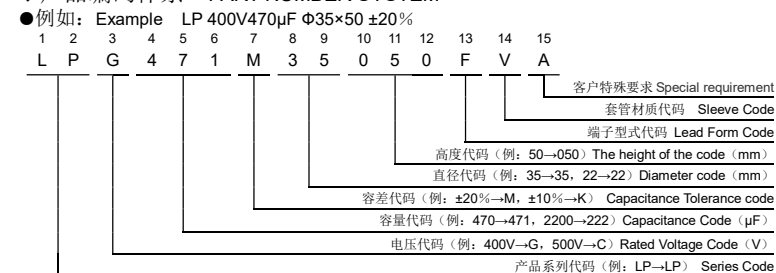
## 尺寸图 Dimensions

### ● 常用端子型式代码: Terminal Code



● 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



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

● 频率修正系数 Frequency coefficient

电压范围 (v) Rated voltage	频率 (Hz) Frequency	50 (60)	100 (120)	300	1k	≥10k
16~50VV		0.90	1.00	1.05	1.10	1.15
63~100VV		0.85	1.00	1.17	1.32	1.45
160~500VV		0.80	1.00	1.16	1.30	1.41

● 温度修正系数 Temperature coefficient

电压范围 (v) Rated voltage	温度 (℃) Temperature	+40	+55	+70	+85
16~100VV		2.1	1.8	1.5	1.0
160~500VV		1.7	1.5	1.3	1.0

## ◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	tan $\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number
16 (20)	8200	22×25	0.50	2.2	LPV822M22025□VA
	10000	22×30	0.50	2.6	LPV103M22030□VA
	10000	25×25	0.50	2.6	LPV103M25025□VA
	12000	22×35	0.50	3.0	LPV123M22035□VA
	12000	25×30	0.50	3.0	LPV123M25030□VA
	12000	30×25	0.50	3.1	LPV123M30025□VA
	15000	22×40	0.50	3.3	LPV153M22040□VA
	15000	25×30	0.50	3.3	LPV153M25030□VA
	15000	30×25	0.50	3.4	LPV153M30025□VA
	18000	22×45	0.50	3.8	LPV183M22045□VA
	18000	25×35	0.50	3.7	LPV183M25035□VA
	18000	30×30	0.50	3.8	LPV183M30030□VA
	22000	22×50	0.50	4.2	LPV223M22050□VA
	22000	25×40	0.50	4.2	LPV223M25040□VA
	22000	30×30	0.50	4.2	LPV223M30030□VA
	22000	35×25	0.50	4.4	LPV223M35025□VA
	27000	25×45	0.50	5.0	LPV273M25045□VA
	27000	30×35	0.50	5.0	LPV273M30035□VA
	27000	35×30	0.50	5.1	LPV273M35030□VA
	25 (32)	33000	30×40	0.50	5.6
33000		35×30	0.50	5.6	LPV333M35030□VA
39000		30×45	0.50	6.2	LPV393M30045□VA
39000		35×35	0.50	6.3	LPV393M35035□VA
47000		30×50	0.50	7.0	LPV473M30050□VA
47000		35×40	0.50	7.2	LPV473M35040□VA
56000		30×60	0.50	8.1	LPV563M30060□VA
56000		35×45	0.50	8.0	LPV563M35045□VA
68000		35×55	0.50	8.9	LPV683M35055□VA
82000		35×60	0.50	9.6	LPV823M35060□VA
5600		22×25	0.45	2.0	LPU562M22025□VA
6800		22×30	0.45	2.3	LPU682M22030□VA
6800		25×25	0.45	2.3	LPU682M25025□VA
8200		22×35	0.45	2.6	LPU822M22035□VA
8200		25×30	0.45	2.6	LPU822M25030□VA
8200		30×25	0.45	2.7	LPU822M30025□VA
10000		22×40	0.45	2.9	LPU103M22040□VA
10000		25×30	0.45	2.8	LPU103M25030□VA
10000		30×25	0.45	3.0	LPU103M30025□VA
12000		22×45	0.45	3.3	LPU123M22045□VA
12000	25×35	0.45	3.2	LPU123M25035□VA	
12000	30×30	0.45	3.4	LPU123M30030□VA	
12000	35×25	0.45	3.5	LPU123M35025□VA	
15000	22×50	0.45	3.9	LPU153M22050□VA	
15000	25×40	0.45	3.7	LPU153M25040□VA	
15000	30×35	0.45	4.0	LPU153M30035□VA	
15000	35×25	0.45	3.9	LPU153M35025□VA	
18000	25×50	0.45	4.3	LPU183M25050□VA	
18000	30×35	0.45	4.2	LPU183M30035□VA	
18000	35×30	0.45	4.4	LPU183M35030□VA	
22000	30×40	0.45	4.8	LPU223M30040□VA	
22000	35×35	0.45	5.0	LPU223M35035□VA	
27000	30×50	0.45	5.6	LPU273M30050□VA	
27000	35×40	0.45	5.6	LPU273M35040□VA	
33000	30×55	0.45	6.5	LPU333M30055□VA	
33000	35×40	0.45	6.5	LPU333M35040□VA	
39000	35×50	0.45	7.5	LPU393M35050□VA	
47000	35×55	0.45	8.2	LPU473M35055□VA	
56000	35×60	0.45	9.1	LPU563M35060□VA	

WV <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	tan $\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number
35 (44)	3300	22×25	0.40	1.8	LPT332M22025□VA
	3900	22×30	0.40	2.1	LPT392M22030□VA
	3900	25×25	0.40	2.1	LPT392M25025□VA
	4700	22×35	0.40	2.2	LPT472M22035□VA
	4700	25×25	0.40	2.2	LPT472M25025□VA
	5600	22×35	0.40	2.3	LPT562M22035□VA
	5600	25×30	0.40	2.3	LPT562M25030□VA
	5600	30×25	0.40	2.4	LPT562M30025□VA
	6800	22×40	0.40	2.5	LPT682M22040□VA
	6800	25×35	0.40	2.6	LPT682M25035□VA
	6800	30×25	0.40	2.7	LPT682M30025□VA
	8200	22×50	0.40	2.8	LPT822M22050□VA
	8200	25×40	0.40	2.8	LPT822M25040□VA
	8200	30×30	0.40	2.8	LPT822M30030□VA
	8200	35×25	0.40	2.9	LPT822M35025□VA
	10000	25×45	0.40	3.1	LPT103M25045□VA
	10000	30×35	0.40	3.2	LPT103M30035□VA
	10000	35×25	0.40	3.1	LPT103M35025□VA
	12000	25×50	0.40	3.5	LPT123M25050□VA
	12000	30×40	0.40	3.5	LPT123M30040□VA
	12000	35×30	0.40	3.6	LPT123M35030□VA
	15000	30×45	0.40	4.1	LPT153M30045□VA
	15000	35×35	0.40	4.1	LPT153M35035□VA
	18000	30×50	0.40	4.6	LPT183M30050□VA
	18000	35×40	0.40	4.7	LPT183M35040□VA
	22000	30×60	0.40	5.4	LPT223M30060□VA
	22000	35×45	0.40	5.3	LPT223M35045□VA
	27000	35×50	0.40	7.0	LPT273M35050□VA
	33000	35×60	0.40	8.2	LPT333M35060□VA
	50 (63)	2200	22×25	0.35	1.7
2700		22×30	0.35	1.9	LPR272M22030□VA
2700		25×25	0.35	1.9	LPR272M25025□VA
3300		22×35	0.35	2.0	LPR332M22035□VA
3300		25×30	0.35	2.0	LPR332M25030□VA
3300		30×25	0.35	2.2	LPR332M30025□VA
3900		22×40	0.35	2.1	LPR392M22040□VA
3900		25×30	0.35	2.1	LPR392M25030□VA
3900		30×25	0.35	2.3	LPR392M30025□VA
4700		22×45	0.35	2.4	LPR472M22045□VA
4700		25×35	0.35	2.4	LPR472M25035□VA
4700		30×30	0.35	2.4	LPR472M30030□VA
4700		35×25	0.35	2.4	LPR472M35025□VA
5600		22×50	0.35	2.5	LPR562M22050□VA
5600		25×40	0.35	2.5	LPR562M25040□VA
5600		30×30	0.35	2.5	LPR562M30030□VA
5600		35×25	0.35	2.6	LPR562M35025□VA
6800		25×45	0.35	2.8	LPR682M25045□VA
6800		30×35	0.35	2.8	LPR682M30035□VA
6800		35×30	0.35	2.9	LPR682M35030□VA
8200		25×50	0.35	3.2	LPR822M25050□VA
8200		30×40	0.35	3.0	LPR822M30040□VA
8200		35×30	0.35	3.0	LPR822M35030□VA
10000		30×45	0.35	3.4	LPR103M30045□VA
10000		35×35	0.35	3.4	LPR103M35035□VA
12000		30×50	0.35	3.8	LPR123M30050□VA
12000		35×40	0.35	3.8	LPR123M35040□VA
15000		30×60	0.35	4.6	LPR153M30060□VA
15000		35×45	0.35	4.5	LPR153M35045□VA

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

# LP 系列 SERIES

## ◆ 产品一览表 Standard Ratings

WV <sub>dc</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	tan $\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number
50 (63)	18000	35×55	0.35	5.2	LPR183M35055□VA
	22000	35×60	0.35	6.0	LPR223M35060□VA
63 (79)	1500	22×25	0.30	1.6	LPQ152M22025□VA
	1800	22×30	0.30	1.8	LPQ182M22030□VA
	1800	25×25	0.30	1.8	LPQ182M25025□VA
	2200	22×30	0.30	2.0	LPQ222M22030□VA
	2200	25×25	0.30	2.0	LPQ222M25025□VA
	2700	22×35	0.30	2.2	LPQ272M22035□VA
	2700	25×30	0.30	2.2	LPQ272M25030□VA
	2700	30×25	0.30	2.2	LPQ272M30025□VA
	3300	22×40	0.30	2.3	LPQ332M22040□VA
	3300	25×35	0.30	2.3	LPQ332M25035□VA
	3300	30×25	0.30	2.3	LPQ332M30025□VA
	3900	22×45	0.30	2.5	LPQ392M22045□VA
	3900	25×40	0.30	2.6	LPQ392M25040□VA
	3900	30×30	0.30	2.6	LPQ392M30030□VA
	3900	35×25	0.30	2.7	LPQ392M35025□VA
	4700	22×50	0.30	2.7	LPQ472M22050□VA
	4700	25×45	0.30	2.6	LPQ472M25045□VA
	4700	30×35	0.30	2.8	LPQ472M30035□VA
	4700	35×25	0.30	2.8	LPQ472M35025□VA
	5600	25×50	0.30	3.1	LPQ562M25050□VA
	5600	30×40	0.30	3.2	LPQ562M30040□VA
	5600	35×30	0.30	3.3	LPQ562M35030□VA
	6800	30×45	0.30	3.6	LPQ682M30045□VA
	6800	35×35	0.30	3.7	LPQ682M35035□VA
	8200	30×50	0.30	3.7	LPQ822M30050□VA
8200	35×40	0.30	3.8	LPQ822M35040□VA	
10000	30×60	0.30	4.4	LPQ103M30060□VA	
10000	35×45	0.30	4.3	LPQ103M35045□VA	
12000	35×50	0.30	4.8	LPQ123M35050□VA	
15000	35×60	0.30	5.6	LPQ153M35060□VA	
80 (100)	1000	22×25	0.25	1.3	LPP102M22025□VA
	1200	22×30	0.25	1.5	LPP122M22030□VA
	1200	25×25	0.25	1.5	LPP122M25025□VA
	1500	22×35	0.25	1.8	LPP152M22035□VA
	1500	25×25	0.25	1.7	LPP152M25025□VA
	1800	22×40	0.25	1.9	LPP182M22040□VA
	1800	25×30	0.25	1.9	LPP182M25030□VA
	1800	30×25	0.25	2.0	LPP182M30025□VA
	2200	22×40	0.25	2.1	LPP222M22040□VA
	2200	25×35	0.25	2.2	LPP222M25035□VA
	2200	30×25	0.25	2.2	LPP222M30025□VA
	2700	22×50	0.25	2.5	LPP272M22050□VA
	2700	25×40	0.25	2.5	LPP272M25040□VA
	2700	30×30	0.25	2.5	LPP272M30030□VA
	2700	35×25	0.25	2.5	LPP272M35025□VA
	3300	25×45	0.25	2.8	LPP332M25045□VA
	3300	30×35	0.25	2.8	LPP332M30035□VA
	3300	35×30	0.25	2.9	LPP332M35030□VA
	3900	25×50	0.25	3.1	LPP392M25050□VA
	3900	30×40	0.25	3.2	LPP392M30040□VA
	3900	35×30	0.25	3.2	LPP392M35030□VA
	4700	30×45	0.25	3.4	LPP472M30045□VA
	4700	35×35	0.25	3.4	LPP472M35035□VA
	5600	30×50	0.25	3.6	LPP562M30050□VA
	5600	35×40	0.25	3.5	LPP562M35040□VA
6800	30×60	0.25	4.2	LPP682M30060□VA	

WV <sub>dc</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	tan $\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number	
80 (100)	6800	35×45	0.25	4.1	LPP682M35045□VA	
	8200	35×50	0.25	4.7	LPP822M35050□VA	
	10000	35×60	0.25	5.6	LPP103M35060□VA	
100 (125)	680	22×25	0.20	1.1	LPO681M22025□VA	
	820	22×30	0.20	1.2	LPO821M22030□VA	
	820	25×25	0.20	1.2	LPO821M25025□VA	
	1000	22×35	0.20	1.3	LPO102M22035□VA	
	1000	25×30	0.20	1.4	LPO102M25030□VA	
	1000	30×25	0.20	1.4	LPO102M30025□VA	
	1200	22×40	0.20	1.6	LPO122M22040□VA	
	1200	25×30	0.20	1.6	LPO122M25030□VA	
	1200	30×25	0.20	1.7	LPO122M30025□VA	
	1500	25×35	0.20	1.7	LPO152M25035□VA	
	1500	30×30	0.20	1.8	LPO152M30030□VA	
	1500	35×25	0.20	1.9	LPO152M35025□VA	
	1800	22×50	0.20	2.1	LPO182M22050□VA	
	1800	25×40	0.20	2.0	LPO182M25040□VA	
	1800	30×30	0.20	2.1	LPO182M30030□VA	
	1800	35×25	0.20	2.2	LPO182M35025□VA	
	2200	25×45	0.20	2.2	LPO222M25045□VA	
	2200	30×35	0.20	2.3	LPO222M30035□VA	
	2200	35×30	0.20	2.5	LPO222M35030□VA	
	2700	25×50	0.20	2.6	LPO272M25050□VA	
	2700	30×40	0.20	2.7	LPO272M30040□VA	
	2700	35×35	0.20	2.8	LPO272M35035□VA	
	3300	30×50	0.20	3.0	LPO332M30050□VA	
	3300	35×35	0.20	3.1	LPO332M35035□VA	
	3900	30×55	0.20	3.4	LPO392M30055□VA	
	3900	35×40	0.20	3.4	LPO392M35040□VA	
	4700	30×60	0.20	3.9	LPO472M30060□VA	
	4700	35×50	0.20	4.0	LPO472M35050□VA	
	5600	35×55	0.20	4.5	LPO562M35055□VA	
	6800	35×60	0.20	5.2	LPO682M35060□VA	
	160 (200)	330	22×25	0.15	1.36	LPN331M22025□VA
		390	25×25	0.15	1.45	LPN391M25025□VA
		470	22×35	0.15	1.63	LPN471M22035□VA
		560	22×35	0.15	1.75	LPN561M22035□VA
		560	25×30	0.15	1.75	LPN561M25030□VA
560		30×25	0.15	1.75	LPN561M30025□VA	
680		22×40	0.15	1.98	LPN681M22040□VA	
680		25×35	0.15	1.98	LPN681M25035□VA	
820		22×50	0.15	2.35	LPN821M22050□VA	
820		25×40	0.15	2.35	LPN821M25040□VA	
820		30×30	0.15	2.35	LPN821M30030□VA	
820		35×25	0.15	2.35	LPN821M35025□VA	
1000		25×45	0.15	2.50	LPN102M25045□VA	
1000		30×35	0.15	2.50	LPN102M30035□VA	
1000		35×30	0.15	2.50	LPN102M35030□VA	
1200		25×50	0.15	2.87	LPN122M25050□VA	
1200		30×40	0.15	2.87	LPN122M30040□VA	
1200		35×35	0.15	2.87	LPN122M35035□VA	
1500	30×45	0.15	3.57	LPN152M30045□VA		
1500	35×40	0.15	3.60	LPN152M35040□VA		
1800	35×45	0.15	4.15	LPN182M35045□VA		
2200	35×50	0.15	4.65	LPN222M35050□VA		
200 (250)	220	22×25	0.15	1.10	LPL221M22025□VA	
	270	22×25	0.15	1.17	LPL271M22025□VA	
	330	22×30	0.15	1.40	LPL331M22030□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> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number
200 (250)	330	25×25	0.15	1.40	LPL331M25025□VA
	390	22×30	0.15	1.45	LPL391M22030□VA
	470	22×35	0.15	1.55	LPL471M22035□VA
	470	25×30	0.15	1.55	LPL471M25030□VA
	470	30×25	0.15	1.60	LPL471M30025□VA
	560	22×45	0.15	1.65	LPL561M22045□VA
	560	25×35	0.15	1.65	LPL561M25035□VA
	680	22×50	0.15	1.68	LPL681M22050□VA
	680	25×40	0.15	1.92	LPL681M25040□VA
	680	30×30	0.15	1.92	LPL681M30030□VA
	680	35×25	0.15	2.20	LPL681M35025□VA
	820	25×45	0.15	2.20	LPL821M25045□VA
	820	30×35	0.15	2.20	LPL821M30035□VA
	820	35×30	0.15	2.40	LPL821M35030□VA
	1000	30×40	0.15	2.40	LPL102M30040□VA
	1000	35×35	0.15	2.40	LPL102M35035□VA
	1200	30×45	0.15	2.75	LPL122M30045□VA
	1200	35×40	0.15	2.75	LPL122M35040□VA
	1500	35×40	0.15	3.45	LPL152M35040□VA
	1800	35×45	0.15	4.00	LPL182M35045□VA
2200	35×50	0.15	4.50	LPL222M35050□VA	
250 (300)	180	22×25	0.15	1.00	LPJ181M22025□VA
	220	22×30	0.15	1.20	LPJ221M22030□VA
	220	25×25	0.15	1.20	LPJ221M25025□VA
	270	22×35	0.15	1.25	LPJ271M22035□VA
	330	22×40	0.15	1.30	LPJ331M22040□VA
	330	25×30	0.15	1.35	LPJ331M25030□VA
	330	30×25	0.15	1.35	LPJ331M30025□VA
	390	22×45	0.15	1.40	LPJ391M22045□VA
	390	25×35	0.15	1.45	LPJ391M25035□VA
	470	22×50	0.15	1.65	LPJ471M22050□VA
	470	30×30	0.15	1.65	LPJ471M30030□VA
	470	35×25	0.15	1.65	LPJ471M35025□VA
	560	25×45	0.15	1.85	LPJ561M25045□VA
	560	30×35	0.15	1.85	LPJ561M30035□VA
	560	35×30	0.15	1.85	LPJ561M35030□VA
	680	25×50	0.15	2.20	LPJ681M25050□VA
	680	30×40	0.15	2.20	LPJ681M30040□VA
	820	30×45	0.15	2.50	LPJ821M30045□VA
	820	30×50	0.15	2.50	LPJ821M30050□VA
	1000	30×50	0.15	2.90	LPJ102M30050□VA
1000	35×40	0.15	2.90	LPJ102M35040□VA	
1200	35×45	0.15	3.30	LPJ122M35045□VA	
1500	35×50	0.15	3.80	LPJ152M35050□VA	
315 (365)	100	22×25	0.18	0.70	LPH101M22025□VA
	120	22×30	0.18	0.82	LPH121M22030□VA
	150	22×30	0.18	0.96	LPH151M22030□VA
	150	25×25	0.18	0.99	LPH151M25025□VA
	180	22×35	0.18	1.11	LPH181M22035□VA
	180	25×30	0.18	1.15	LPH181M25030□VA
	180	30×25	0.18	1.18	LPH181M30025□VA
	220	22×40	0.18	1.29	LPH221M22040□VA
	220	25×35	0.18	1.27	LPH221M25035□VA
	220	30×25	0.18	1.30	LPH221M30025□VA
	270	22×45	0.18	1.50	LPH271M22045□VA
	270	25×40	0.18	1.49	LPH271M25040□VA
	270	30×30	0.18	1.53	LPH271M30030□VA
	270	35×25	0.18	1.56	LPH271M35025□VA

WV <sub>dc</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number	
315 (365)	330	25×45	0.18	1.73	LPI331M25045□VA	
	330	30×35	0.18	1.78	LPI331M30035□VA	
	330	35×30	0.18	1.83	LPI331M35030□VA	
	390	25×50	0.18	1.97	LPI391M25050□VA	
	390	30×40	0.18	1.94	LPI391M30040□VA	
	390	35×30	0.18	1.99	LPI391M35030□VA	
	470	30×45	0.18	2.23	LPI471M30045□VA	
	470	35×35	0.18	2.29	LPI471M35035□VA	
	560	30×50	0.18	2.62	LPI561M30050□VA	
	560	35×40	0.18	2.62	LPI561M35040□VA	
	680	30×60	0.18	3.01	LPI681M30060□VA	
	680	35×45	0.18	3.01	LPI681M35045□VA	
	820	35×50	0.18	3.44	LPI821M35050□VA	
	1000	35×60	0.18	3.55	LPI102M35060□VA	
	350 (400)	82	22×25	0.18	0.64	LPH820M22025□VA
		100	22×25	0.18	0.75	LPH101M22025□VA
		120	22×30	0.18	0.86	LPH121M22030□VA
		120	25×25	0.18	0.88	LPH121M25025□VA
		150	22×35	0.18	1.01	LPH151M22035□VA
		150	25×30	0.18	1.05	LPH151M25030□VA
150		30×25	0.18	1.05	LPH151M30025□VA	
180		22×40	0.18	1.17	LPH181M22040□VA	
180		25×30	0.18	1.21	LPH181M25030□VA	
180		30×25	0.18	1.18	LPH181M30025□VA	
220		22×45	0.18	1.35	LPH221M22045□VA	
220		25×35	0.18	1.34	LPH221M25035□VA	
220		30×30	0.18	1.38	LPH221M30030□VA	
220		35×25	0.18	1.41	LPH221M35025□VA	
270		22×50	0.18	1.5	LPH271M22050□VA	
270		25×45	0.18	1.64	LPH271M25045□VA	
270		30×35	0.18	1.61	LPH271M30035□VA	
270		35×25	0.18	1.65	LPH271M35025□VA	
330		25×50	0.18	1.89	LPH331M25050□VA	
330		30×40	0.18	1.87	LPH331M30040□VA	
330	35×30	0.18	1.83	LPH331M35030□VA		
390	30×45	0.18	2.12	LPH391M30045□VA		
390	35×35	0.18	2.09	LPH391M35035□VA		
470	30×50	0.18	2.43	LPH471M30050□VA		
470	35×45	0.18	2.40	LPH471M35045□VA		
560	30×55	0.18	2.70	LPH561M30055□VA		
560	35×45	0.18	2.73	LPH561M35045□VA		
680	30×60	0.18	3.10	LPH681M30060□VA		
680	35×50	0.18	3.13	LPH681M35050□VA		
820	35×60	0.18	3.20	LPH821M35060□VA		
1000	35×60	0.18	3.40	LPH102M35060□VA		
400 (450)	47	22×25	0.18	0.50	LPG470M22025□VA	
	56	22×25	0.18	0.52	LPG560M22025□VA	
	68	22×25	0.18	0.56	LPG680M22025□VA	
	82	22×25	0.18	0.66	LPG820M22025□VA	
	100	22×30	0.18	0.78	LPG101M22030□VA	
	100	25×25	0.18	0.81	LPG101M25025□VA	
	120	22×35	0.18	0.86	LPG121M22035□VA	
	120	25×30	0.18	0.88	LPG121M25030□VA	
	120	30×25	0.18	0.90	LPG121M30025□VA	
	150	22×40	0.18	1.01	LPG151M22040□VA	
	150	25×30	0.18	1.05	LPG151M25030□VA	
	150	30×25	0.18	1.08	LPG151M30025□VA	
	180	22×45	0.18	1.17	LPG181M22045□VA	

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

# LP 系列 SERIES

## ◆ 产品一览表 Standard Ratings

WV <sub>dc</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	tan $\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number
400 (450)	180	25×35	0.18	1.21	LPG181M25035□VA
	180	30×30	0.18	1.18	LPG181M30030□VA
	180	35×25	0.18	1.28	LPG181M35025□VA
	220	22×50	0.18	1.35	LPG221M22050□VA
	220	25×40	0.18	1.41	LPG221M25040□VA
	220	30×35	0.18	1.38	LPG221M30035□VA
	220	35×25	0.18	1.41	LPG221M35025□VA
	270	25×45	0.18	1.64	LPG271M25045□VA
	270	30×40	0.18	1.61	LPG271M30040□VA
	270	35×30	0.18	1.65	LPG271M35030□VA
	330	25×50	0.18	1.89	LPG331M25050□VA
	330	30×40	0.18	1.87	LPG331M30040□VA
	330	35×30	0.18	1.83	LPG331M35030□VA
	390	30×50	0.18	2.12	LPG391M30050□VA
	390	35×35	0.18	2.09	LPG391M35035□VA
	470	30×50	0.18	2.20	LPG471M30050□VA
	470	35×40	0.18	2.19	LPG471M35040□VA
	470	35×45	0.18	2.30	LPG471M35045□VA
	470	35×50	0.18	2.40	LPG471M35050□VA
	450 (500)	560	30×60	0.18	2.73
560		35×50	0.18	2.73	LPG561M35050□VA
680		35×50	0.18	2.93	LPG681M35050□VA
680		35×55	0.18	3.05	LPG681M35055□VA
680		35×60	0.18	3.17	LPG681M35060□VA
820		35×60	0.18	3.23	LPG821M35060□VA
47		22×25	0.20	0.52	LPE470M22025□VA
56		22×25	0.20	0.55	LPE560M22025□VA
68		22×30	0.20	0.57	LPE680M22030□VA
68		25×25	0.20	0.57	LPE680M25025□VA
82		22×30	0.20	0.65	LPE820M22030□VA
82		25×25	0.20	0.65	LPE820M25025□VA
100		22×35	0.20	0.72	LPE101M22035□VA
100		25×30	0.20	0.73	LPE101M25030□VA
100		30×25	0.20	0.73	LPE101M30025□VA
120		22×40	0.20	0.80	LPE121M22040□VA
120		25×35	0.20	0.83	LPE121M25035□VA
150		22×45	0.20	0.95	LPE151M22045□VA
150	25×35	0.20	0.95	LPE151M25035□VA	
150	30×30	0.20	0.98	LPE151M30030□VA	
180	22×50	0.20	1.1	LPE181M22050□VA	
180	25×40	0.20	1.1	LPE181M25040□VA	
180	30×30	0.20	1.1	LPE181M30030□VA	

WV <sub>dc</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	tan $\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number	
450 (500)	180	35×25	0.20	1.2	LPE181M35025□VA	
	220	25×50	0.20	1.2	LPE221M25050□VA	
	220	30×35	0.20	1.3	LPE221M30035□VA	
	220	35×30	0.20	1.3	LPE221M35030□VA	
	270	30×40	0.20	1.4	LPE271M30040□VA	
	270	35×35	0.20	1.5	LPE271M35035□VA	
	330	30×45	0.20	1.7	LPE331M30045□VA	
	330	35×35	0.20	1.7	LPE331M35035□VA	
	390	30×55	0.20	2.0	LPE391M30055□VA	
	390	35×40	0.20	1.9	LPE391M35040□VA	
	470	30×60	0.20	2.3	LPE471M30060□VA	
	470	35×50	0.20	2.2	LPE471M35050□VA	
	560	35×55	0.20	2.5	LPE561M35055□VA	
	680	35×60	0.20	2.9	LPE681M35060□VA	
	500 (550)	47	22×25	0.20	0.53	LPC470M22025□VA
		56	22×30	0.20	0.56	LPC560M22030□VA
		68	22×35	0.20	0.60	LPC680M22035□VA
		68	25×25	0.20	0.60	LPC680M25025□VA
82		22×40	0.20	0.75	LPC820M22040□VA	
82		25×30	0.20	0.75	LPC820M25030□VA	
100		22×45	0.20	0.90	LPC101M22045□VA	
100		25×35	0.20	0.90	LPC101M25035□VA	
100		30×25	0.20	0.90	LPC101M30025□VA	
120		22×50	0.20	1.00	LPC121M22050□VA	
120		25×40	0.20	1.00	LPC121M25040□VA	
120		30×30	0.20	1.00	LPC121M30030□VA	
150		25×45	0.20	1.20	LPC151M25045□VA	
150		30×35	0.20	1.20	LPC151M30035□VA	
150		35×25	0.20	1.20	LPC151M35025□VA	
180		25×50	0.20	1.40	LPC181M25050□VA	
180		30×40	0.20	1.40	LPC181M30040□VA	
180		35×30	0.20	1.40	LPC181M35030□VA	
220	30×45	0.20	1.60	LPC221M30045□VA		
220	35×35	0.20	1.60	LPC221M35035□VA		
270	30×50	0.20	1.80	LPC271M30050□VA		
270	35×40	0.20	1.80	LPC271M35040□VA		
330	30×60	0.20	2.00	LPC331M30060□VA		
330	35×45	0.20	2.00	LPC331M35045□VA		
390	35×50	0.20	2.30	LPC391M35050□VA		
470	35×60	0.20	2.50	LPC471M35060□VA		
560	35×70	0.20	2.70	LPC561M35070□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.

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