

# LP系列 SERIES



- 电焊机专用标准品。  
Special design for welding machine
- 保证85°C、2000小时寿命。(叠加纹波电流)  
Endurance with ripple current: 2000 hours at 85°C
- 额定工作电压范围：16V ~ 500V  
Rated voltage range: 16V-500V

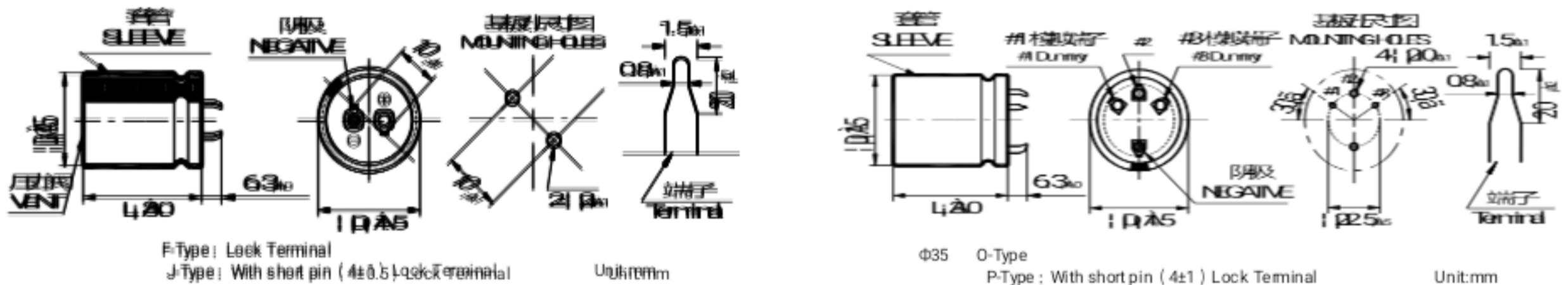
## 规格表 SPECIFICATIONS

项目 Items	特性 Characteristics																															
工作温度范围 Operating Temperature Range	- 40 ~ +85°C	- 25 ~ +85°C																														
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°C, 120Hz)																															
损耗角正切值 Dissipation Factor (MAX) 20°C, 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°C</sub>/Z<sub>+20°C</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°C</sub>/Z<sub>+20°C</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°C</sub> /Z <sub>+20°C</sub>	4	3	4	7	7	8	Z <sub>-40°C</sub> /Z <sub>+20°C</sub>	18						
U <sub>R</sub> (V)	16 ~ 100	160 ~ 200	250	315	350 ~ 400	450 ~ 500																										
Z <sub>25°C</sub> /Z <sub>+20°C</sub>	4	3	4	7	7	8																										
Z <sub>-40°C</sub> /Z <sub>+20°C</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°C, 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°C, 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	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 失效率等级 Failure Rate Level	U <sub>R</sub> I <sub>R</sub> 85°C ≤1% Failure rate	U <sub>R</sub> 1.2×I <sub>R</sub> 40°C ≤1% Failure rate	U <sub>R</sub> I <sub>R</sub> 85°C 0%	U <sub>R</sub> I <sub>R</sub> =0 85°C 0%	Back up to 20 °C 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

- 例如：Example LP 400V470µF Φ35×50 ±20%



## 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 ~ 50WV	0.90	1.00	1.05	1.10	1.15
63 ~ 100WV	0.85	1.00	1.17	1.32	1.45
160 ~ 500WV	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 (°C) Temperature			
	+40	+55	+70	+85
16 ~ 100WV	2.1	1.8	1.5	1.0
160 ~ 500WV	1.7	1.5	1.3	1.0

# LP 系列 SERIES

## ◆ 产品一览表 Standard Ratings

W <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20°C120Hz	Ripple Current 85°C120Hz (Arms)	Catalog Part Number	W <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20°C120Hz	Ripple Current 85°C120Hz (Arms)	Catalog Part Number		
16 (20)	8200	22×25	0.50	2.2	LPV822M22025□VA	35 (44)	3300	22×25	0.40	1.8	LPT332M22025□VA		
	10000	22×30	0.50	2.6	LPV103M22030□VA		3900	22×30	0.40	2.1	LPT392M22030□VA		
	10000	25×25	0.50	2.6	LPV103M25025□VA		3900	25×25	0.40	2.1	LPT392M25025□VA		
	12000	22×35	0.50	3.0	LPV123M22035□VA		4700	22×35	0.40	2.2	LPT472M22035□VA		
	12000	25×30	0.50	3.0	LPV123M25030□VA		4700	25×25	0.40	2.2	LPT472M25025□VA		
	12000	30×25	0.50	3.1	LPV123M30025□VA		5600	22×35	0.40	2.3	LPT562M22035□VA		
	15000	22×40	0.50	3.3	LPV153M22040□VA		5600	25×30	0.40	2.3	LPT562M25030□VA		
	15000	25×30	0.50	3.3	LPV153M25030□VA		5600	30×25	0.40	2.4	LPT562M30025□VA		
	15000	30×25	0.50	3.4	LPV153M30025□VA		6800	22×40	0.40	2.5	LPT682M22040□VA		
	18000	22×45	0.50	3.8	LPV183M22045□VA		6800	25×35	0.40	2.6	LPT682M25035□VA		
	18000	25×35	0.50	3.7	LPV183M25035□VA		6800	30×25	0.40	2.7	LPT682M30025□VA		
	18000	30×30	0.50	3.8	LPV183M30030□VA		8200	22×50	0.40	2.8	LPT822M22050□VA		
	22000	22×50	0.50	4.2	LPV223M22050□VA		8200	25×40	0.40	2.8	LPT822M25040□VA		
	22000	25×40	0.50	4.2	LPV223M25040□VA		8200	30×30	0.40	2.8	LPT822M30030□VA		
	22000	30×30	0.50	4.2	LPV223M30030□VA		8200	35×25	0.40	2.9	LPT822M35025□VA		
	22000	35×25	0.50	4.4	LPV223M35025□VA		10000	25×45	0.40	3.1	LPT103M25045□VA		
	27000	25×45	0.50	5.0	LPV273M25045□VA		10000	30×35	0.40	3.2	LPT103M30035□VA		
	27000	30×35	0.50	5.0	LPV273M30035□VA		10000	35×25	0.40	3.1	LPT103M35025□VA		
	27000	35×30	0.50	5.1	LPV273M35030□VA		12000	25×50	0.40	3.5	LPT123M25050□VA		
	33000	30×40	0.50	5.6	LPV333M30040□VA		12000	30×40	0.40	3.5	LPT123M30040□VA		
	33000	35×30	0.50	5.6	LPV333M35030□VA		12000	35×30	0.40	3.6	LPT123M35030□VA		
	39000	30×45	0.50	6.2	LPV393M30045□VA		15000	30×45	0.40	4.1	LPT153M30045□VA		
	39000	35×35	0.50	6.3	LPV393M35035□VA		15000	35×35	0.40	4.1	LPT153M35035□VA		
	47000	30×50	0.50	7.0	LPV473M30050□VA		18000	30×50	0.40	4.6	LPT183M30050□VA		
	47000	35×40	0.50	7.2	LPV473M35040□VA		18000	35×40	0.40	4.7	LPT183M35040□VA		
	56000	30×60	0.50	8.1	LPV563M30060□VA		22000	30×60	0.40	5.4	LPT223M30060□VA		
	56000	35×45	0.50	8.0	LPV563M35045□VA		22000	35×45	0.40	5.3	LPT223M35045□VA		
	68000	35×55	0.50	8.9	LPV683M35055□VA		27000	35×50	0.40	7.0	LPT273M35050□VA		
	82000	35×60	0.50	9.6	LPV823M35060□VA		33000	35×60	0.40	8.2	LPT333M35060□VA		
	25 (32)	5600	22×25	0.45	2.0		LPU562M22025□VA	50 (63)	2200	22×25	0.35	1.7	LPR222M22025□VA
		6800	22×30	0.45	2.3		LPU682M22030□VA		2700	22×30	0.35	1.9	LPR272M22030□VA
		6800	25×25	0.45	2.3		LPU682M25025□VA		2700	25×25	0.35	1.9	LPR272M25025□VA
8200		22×35	0.45	2.6	LPU822M22035□VA		3300		22×35	0.35	2.0	LPR332M22035□VA	
8200		25×30	0.45	2.6	LPU822M25030□VA		3300		25×30	0.35	2.0	LPR332M25030□VA	
8200		30×25	0.45	2.7	LPU822M30025□VA		3300		30×25	0.35	2.2	LPR332M30025□VA	
10000		22×40	0.45	2.9	LPU103M22040□VA		3900		22×40	0.35	2.1	LPR392M22040□VA	
10000		25×30	0.45	2.8	LPU103M25030□VA		3900		25×30	0.35	2.1	LPR392M25030□VA	
10000		30×25	0.45	3.0	LPU103M30025□VA		3900		30×25	0.35	2.3	LPR392M30025□VA	
12000		22×45	0.45	3.3	LPU123M22045□VA		4700		22×45	0.35	2.4	LPR472M22045□VA	
12000		25×35	0.45	3.2	LPU123M25035□VA		4700		25×35	0.35	2.4	LPR472M25035□VA	
12000		30×30	0.45	3.4	LPU123M30030□VA		4700		30×30	0.35	2.4	LPR472M30030□VA	
12000		35×25	0.45	3.5	LPU123M35025□VA		4700		35×25	0.35	2.4	LPR472M35025□VA	
15000		22×50	0.45	3.9	LPU153M22050□VA		5600		22×50	0.35	2.5	LPR562M22050□VA	
15000		25×40	0.45	3.7	LPU153M25040□VA		5600		25×40	0.35	2.5	LPR562M25040□VA	
15000		30×35	0.45	4.0	LPU153M30035□VA	5600	30×30		0.35	2.5	LPR562M30030□VA		
15000		35×25	0.45	3.9	LPU153M35025□VA	5600	35×25		0.35	2.6	LPR562M35025□VA		
18000		25×50	0.45	4.3	LPU183M25050□VA	6800	25×45		0.35	2.8	LPR682M25045□VA		
18000		30×35	0.45	4.2	LPU183M30035□VA	6800	30×35		0.35	2.8	LPR682M30035□VA		
18000		35×30	0.45	4.4	LPU183M35030□VA	6800	35×30		0.35	2.9	LPR682M35030□VA		
22000		30×40	0.45	4.8	LPU223M30040□VA	8200	25×50		0.35	3.2	LPR822M25050□VA		
22000		35×35	0.45	5.0	LPU223M35035□VA	8200	30×40		0.35	3.0	LPR822M30040□VA		
27000		30×50	0.45	5.6	LPU273M30050□VA	8200	35×30		0.35	3.0	LPR822M35030□VA		
27000		35×40	0.45	5.6	LPU273M35040□VA	10000	30×45		0.35	3.4	LPR103M30045□VA		
33000		30×55	0.45	6.5	LPU333M30055□VA	10000	35×35		0.35	3.4	LPR103M35035□VA		
33000		35×40	0.45	6.5	LPU333M35040□VA	12000	30×50		0.35	3.8	LPR123M30050□VA		
39000		35×50	0.45	7.5	LPU393M35050□VA	12000	35×40		0.35	3.8	LPR123M35040□VA		
47000		35×55	0.45	8.2	LPU473M35055□VA	15000	30×60		0.35	4.6	LPR153M30060□VA		
56000		35×60	0.45	9.1	LPU563M35060□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

W <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D $\times$ L (mm)	tan $\delta$ 20°C120Hz	Ripple Curr ent 85°C120Hz (Arms)	Catalog Part Number
50 (63)	18000	35 $\times$ 55	0.35	5.2	LPR183M35055□VA
	22000	35 $\times$ 60	0.35	6.0	LPR223M35060□VA
63 (79)	1500	22 $\times$ 25	0.30	1.6	LPQ152M22025□VA
	1800	22 $\times$ 30	0.30	1.8	LPQ182M22030□VA
	1800	25 $\times$ 25	0.30	1.8	LPQ182M25025□VA
	2200	22 $\times$ 30	0.30	2.0	LPQ222M22030□VA
	2200	25 $\times$ 25	0.30	2.0	LPQ222M25025□VA
	2700	22 $\times$ 35	0.30	2.2	LPQ272M22035□VA
	2700	25 $\times$ 30	0.30	2.2	LPQ272M25030□VA
	2700	30 $\times$ 25	0.30	2.2	LPQ272M30025□VA
	3300	22 $\times$ 40	0.30	2.3	LPQ332M22040□VA
	3300	25 $\times$ 35	0.30	2.3	LPQ332M25035□VA
	3300	30 $\times$ 25	0.30	2.3	LPQ332M30025□VA
	3900	22 $\times$ 45	0.30	2.5	LPQ392M22045□VA
	3900	25 $\times$ 40	0.30	2.6	LPQ392M25040□VA
	3900	30 $\times$ 30	0.30	2.6	LPQ392M30030□VA
	3900	35 $\times$ 25	0.30	2.7	LPQ392M35025□VA
	4700	22 $\times$ 50	0.30	2.7	LPQ472M22050□VA
	4700	25 $\times$ 45	0.30	2.6	LPQ472M25045□VA
	4700	30 $\times$ 35	0.30	2.8	LPQ472M30035□VA
	4700	35 $\times$ 25	0.30	2.8	LPQ472M35025□VA
	5600	25 $\times$ 50	0.30	3.1	LPQ562M25050□VA
	5600	30 $\times$ 40	0.30	3.2	LPQ562M30040□VA
	5600	35 $\times$ 30	0.30	3.3	LPQ562M35030□VA
	6800	30 $\times$ 45	0.30	3.6	LPQ682M30045□VA
	6800	35 $\times$ 35	0.30	3.7	LPQ682M35035□VA
	8200	30 $\times$ 50	0.30	3.7	LPQ822M30050□VA
	8200	35 $\times$ 40	0.30	3.8	LPQ822M35040□VA
	10000	30 $\times$ 60	0.30	4.4	LPQ103M30060□VA
	10000	35 $\times$ 45	0.30	4.3	LPQ103M35045□VA
12000	35 $\times$ 50	0.30	4.8	LPQ123M35050□VA	
15000	35 $\times$ 60	0.30	5.6	LPQ153M35060□VA	
80 (100)	1000	22 $\times$ 25	0.25	1.3	LPP102M22025□VA
	1200	22 $\times$ 30	0.25	1.5	LPP122M22030□VA
	1200	25 $\times$ 25	0.25	1.5	LPP122M25025□VA
	1500	22 $\times$ 35	0.25	1.8	LPP152M22035□VA
	1500	25 $\times$ 25	0.25	1.7	LPP152M25025□VA
	1800	22 $\times$ 40	0.25	1.9	LPP182M22040□VA
	1800	25 $\times$ 30	0.25	1.9	LPP182M25030□VA
	1800	30 $\times$ 25	0.25	2.0	LPP182M30025□VA
	2200	22 $\times$ 40	0.25	2.1	LPP222M22040□VA
	2200	25 $\times$ 35	0.25	2.2	LPP222M25035□VA
	2200	30 $\times$ 25	0.25	2.2	LPP222M30025□VA
	2700	22 $\times$ 50	0.25	2.5	LPP272M22050□VA
	2700	25 $\times$ 40	0.25	2.5	LPP272M25040□VA
	2700	30 $\times$ 30	0.25	2.5	LPP272M30030□VA
	2700	35 $\times$ 25	0.25	2.5	LPP272M35025□VA
	3300	25 $\times$ 45	0.25	2.8	LPP332M25045□VA
	3300	30 $\times$ 35	0.25	2.8	LPP332M30035□VA
	3300	35 $\times$ 30	0.25	2.9	LPP332M35030□VA
	3900	25 $\times$ 50	0.25	3.1	LPP392M25050□VA
	3900	30 $\times$ 40	0.25	3.2	LPP392M30040□VA
	3900	35 $\times$ 30	0.25	3.2	LPP392M35030□VA
	4700	30 $\times$ 45	0.25	3.4	LPP472M30045□VA
	4700	35 $\times$ 35	0.25	3.4	LPP472M35035□VA
	5600	30 $\times$ 50	0.25	3.6	LPP562M30050□VA
	5600	35 $\times$ 40	0.25	3.5	LPP562M35040□VA
	6800	30 $\times$ 60	0.25	4.2	LPP682M30060□VA

W <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D $\times$ L (mm)	tan $\delta$ 20°C120Hz	Ripple Curr ent 85°C120Hz (Arms)	Catalog Part Number
80 (100)	6800	35 $\times$ 45	0.25	4.1	LPP682M35045□VA
	8200	35 $\times$ 50	0.25	4.7	LPP822M35050□VA
100 (125)	10000	35 $\times$ 60	0.25	5.6	LPP103M35060□VA
	680	22 $\times$ 25	0.20	1.1	LPO681M22025□VA
	820	22 $\times$ 30	0.20	1.2	LPO821M22030□VA
	820	25 $\times$ 25	0.20	1.2	LPO821M25025□VA
	1000	22 $\times$ 30	0.20	1.2	LPO102M22030□VA
	1000	25 $\times$ 30	0.20	1.4	LPO102M25030□VA
	1000	30 $\times$ 25	0.20	1.4	LPO102M30025□VA
	1200	22 $\times$ 40	0.20	1.6	LPO122M22040□VA
	1200	25 $\times$ 30	0.20	1.6	LPO122M25030□VA
	1200	30 $\times$ 25	0.20	1.7	LPO122M30025□VA
	1500	25 $\times$ 35	0.20	1.7	LPO152M25035□VA
	1500	30 $\times$ 30	0.20	1.8	LPO152M30030□VA
	1500	35 $\times$ 25	0.20	1.9	LPO152M35025□VA
	1800	22 $\times$ 50	0.20	2.1	LPO182M22050□VA
	1800	25 $\times$ 40	0.20	2.0	LPO182M25040□VA
	1800	30 $\times$ 30	0.20	2.1	LPO182M30030□VA
	1800	35 $\times$ 25	0.20	2.2	LPO182M35025□VA
	2200	25 $\times$ 45	0.20	2.2	LPO222M25045□VA
	2200	30 $\times$ 35	0.20	2.3	LPO222M30035□VA
	2200	35 $\times$ 30	0.20	2.5	LPO222M35030□VA
	2700	25 $\times$ 50	0.20	2.6	LPO272M25050□VA
	2700	30 $\times$ 40	0.20	2.7	LPO272M30040□VA
	2700	35 $\times$ 35	0.20	2.8	LPO272M35035□VA
	3300	30 $\times$ 50	0.20	3.0	LPO332M30050□VA
	3300	35 $\times$ 35	0.20	3.1	LPO332M35035□VA
	3900	30 $\times$ 55	0.20	3.4	LPO392M30055□VA
	3900	35 $\times$ 40	0.20	3.4	LPO392M35040□VA
	4700	30 $\times$ 60	0.20	3.9	LPO472M30060□VA
	4700	35 $\times$ 50	0.20	4.0	LPO472M35050□VA
	5600	35 $\times$ 55	0.20	4.5	LPO562M35055□VA
	6800	35 $\times$ 60	0.20	5.2	LPO682M35060□VA
	160 (200)	330	22 $\times$ 25	0.15	1.36
390		25 $\times$ 25	0.15	1.45	LPN391M25025□VA
470		22 $\times$ 35	0.15	1.63	LPN471M22035□VA
560		22 $\times$ 35	0.15	1.75	LPN561M22035□VA
560		25 $\times$ 30	0.15	1.75	LPN561M25030□VA
560		30 $\times$ 25	0.15	1.75	LPN561M30025□VA
680		22 $\times$ 40	0.15	1.98	LPN681M22040□VA
680		25 $\times$ 35	0.15	1.98	LPN681M25035□VA
820		22 $\times$ 50	0.15	2.35	LPN821M22050□VA
820		25 $\times$ 40	0.15	2.35	LPN821M25040□VA
820		30 $\times$ 30	0.15	2.35	LPN821M30030□VA
820		35 $\times$ 25	0.15	2.35	LPN821M35025□VA
1000		25 $\times$ 45	0.15	2.50	LPN102M25045□VA
1000		30 $\times$ 35	0.15	2.50	LPN102M30035□VA
1000		35 $\times$ 30	0.15	2.50	LPN102M35030□VA
1200		25 $\times$ 50	0.15	2.87	LPN122M25050□VA
1200		30 $\times$ 40	0.15	2.87	LPN122M30040□VA
1200		35 $\times$ 35	0.15	2.87	LPN122M35035□VA
1500		30 $\times$ 45	0.15	3.57	LPN152M30045□VA
1500		35 $\times$ 40	0.15	3.60	LPN152M35040□VA
1800	35 $\times$ 45	0.15	4.15	LPN182M35045□VA	
2200	35 $\times$ 50	0.15	4.65	LPN222M35050□VA	
200 (250)	220	22 $\times$ 25	0.15	1.10	LPL221M22025□VA
	270	22 $\times$ 25	0.15	1.17	LPL271M22025□VA
	330	22 $\times$ 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

# LP 系列 SERIES

## ◆ 产品一览表 Standard Ratings

W <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size DxL (mm)	tan $\delta$ 20°C120Hz	Ripple Current 85°C120Hz (Arms)	Catalog Part Number	W <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size DxL (mm)	tan $\delta$ 20°C120Hz	Ripple Current 85°C120Hz (Arms)	Catalog Part Number
200 (250)	330	25x25	0.15	1.40	LPL331M25025□VA	315 (365)	270	30x30	0.18	1.53	LPI271M30030□VA
	390	22x30	0.15	1.45	LPL391M22030□VA		270	35x25	0.18	1.56	LPI271M35025□VA
	470	22x30	0.15	1.45	LPL471M22030□VA		330	25x45	0.18	1.73	LPI331M25045□VA
	470	25x30	0.15	1.55	LPL471M25030□VA		330	30x35	0.18	1.78	LPI331M30035□VA
	470	30x25	0.15	1.60	LPL471M30025□VA		330	35x30	0.18	1.83	LPI331M35030□VA
	560	22x45	0.15	1.65	LPL561M22045□VA		390	25x50	0.18	1.97	LPI391M25050□VA
	560	25x35	0.15	1.65	LPL561M25035□VA		390	30x40	0.18	1.94	LPI391M30040□VA
	680	22x50	0.15	1.68	LPL681M22050□VA		390	35x30	0.18	1.99	LPI391M35030□VA
	680	25x40	0.15	1.92	LPL681M25040□VA		470	30x45	0.18	2.23	LPI471M30045□VA
	680	30x30	0.15	1.92	LPL681M30030□VA		470	35x35	0.18	2.29	LPI471M35035□VA
	820	25x45	0.15	2.20	LPL821M25045□VA		560	30x50	0.18	2.62	LPI561M30050□VA
	820	30x35	0.15	2.20	LPL821M30035□VA		560	35x40	0.18	2.62	LPI561M35040□VA
	1000	25x50	0.15	2.28	LPL102M25050□VA		680	30x60	0.18	3.01	LPI681M30060□VA
	1000	30x40	0.15	2.40	LPL102M30040□VA		680	35x45	0.18	3.01	LPI681M35045□VA
	1200	30x45	0.15	2.75	LPL122M30045□VA		820	35x50	0.18	3.44	LPI821M35050□VA
	1200	35x40	0.15	2.75	LPL122M35040□VA		1000	35x60	0.18	3.55	LPI102M35060□VA
	1500	35x40	0.15	3.45	LPL152M35040□VA		82	22x25	0.18	0.64	LPH820M22025□VA
	1800	35x45	0.15	4.00	LPL182M35045□VA		100	22x25	0.18	0.75	LPH101M22025□VA
	2200	30x60	0.15	4.47	LPL222M30060□VA		120	22x30	0.18	0.86	LPH121M22030□VA
	2200	35x50	0.15	4.50	LPL222M35050□VA		120	25x25	0.18	0.88	LPH121M25025□VA
3300	35x60	0.15	5.28	LPL332M35060□VA	150	22x35	0.18	1.01	LPH151M22035□VA		
220 (270)	2200	30x65	0.15	4.85	LPK222M20065□VA	150	25x30	0.18	1.05	LPH151M25030□VA	
	3300	35x65	0.15	5.5	LPK332M35065□VA	150	30x25	0.18	1.05	LPH151M30025□VA	
250 (300)	180	22x25	0.15	1.00	LPJ181M22025□VA	180	22x40	0.18	1.17	LPH181M22040□VA	
	220	22x30	0.15	1.20	LPJ221M22030□VA	180	25x30	0.18	1.21	LPH181M25030□VA	
	220	25x25	0.15	1.20	LPJ221M25025□VA	180	30x25	0.18	1.18	LPH181M30025□VA	
	270	22x35	0.15	1.25	LPJ271M22035□VA	220	22x45	0.18	1.35	LPH221M22045□VA	
	330	22x40	0.15	1.30	LPJ331M22040□VA	220	25x35	0.18	1.34	LPH221M25035□VA	
	330	25x30	0.15	1.35	LPJ331M25030□VA	220	30x30	0.18	1.38	LPH221M30030□VA	
	330	30x25	0.15	1.35	LPJ331M30025□VA	220	35x25	0.18	1.41	LPH221M35025□VA	
	390	22x45	0.15	1.40	LPJ391M22045□VA	270	22x50	0.18	1.5	LPH271M22050□VA	
	390	25x35	0.15	1.45	LPJ391M25035□VA	270	25x45	0.18	1.64	LPH271M25045□VA	
	470	22x50	0.15	1.65	LPJ471M22050□VA	270	30x35	0.18	1.61	LPH271M30035□VA	
	470	30x30	0.15	1.65	LPJ471M30030□VA	270	35x25	0.18	1.65	LPH271M35025□VA	
	470	35x25	0.15	1.65	LPJ471M35025□VA	330	25x50	0.18	1.89	LPH331M25050□VA	
	560	25x45	0.15	1.85	LPJ561M25045□VA	330	30x30	0.18	1.69	LPH331M30030□VA	
	560	30x35	0.15	1.85	LPJ561M30035□VA	390	30x45	0.18	2.12	LPH391M30045□VA	
	680	22x45	0.15	1.96	LPJ681M22045□VA	390	35x35	0.18	2.09	LPH391M35035□VA	
	680	25x50	0.15	2.20	LPJ681M25050□VA	470	30x50	0.18	2.43	LPH471M30050□VA	
	820	30x45	0.15	2.50	LPJ821M30045□VA	470	35x45	0.18	2.40	LPH471M35045□VA	
	820	30x50	0.15	2.50	LPJ821M30050□VA	560	30x55	0.18	2.70	LPH561M30055□VA	
	1000	30x50	0.15	2.90	LPJ102M30050□VA	560	35x45	0.18	2.73	LPH561M35045□VA	
	1000	35x40	0.15	2.90	LPJ102M35040□VA	680	30x60	0.18	3.10	LPH681M30060□VA	
1200	35x45	0.15	3.30	LPJ122M35045□VA	680	35x50	0.18	3.13	LPH681M35050□VA		
1500	35x50	0.15	3.80	LPJ152M35050□VA	820	35x60	0.18	3.20	LPH821M35060□VA		
2200	35x55	0.15	4.68	LPJ222M35055□VA	1000	30x70	0.18	3.34	LPH102M30070□VA		
315 (365)	100	22x25	0.18	0.70	LPI101M22025□VA	1000	35x60	0.18	3.40	LPH102M35060□VA	
	120	22x30	0.18	0.82	LPI121M22030□VA	47	22x25	0.18	0.50	LPG470M22025□VA	
	150	22x30	0.18	0.96	LPI151M22030□VA	56	22x25	0.18	0.52	LPG560M22025□VA	
	150	25x25	0.18	0.99	LPI151M25025□VA	68	22x25	0.18	0.56	LPG680M22025□VA	
	180	22x35	0.18	1.11	LPI181M22035□VA	82	22x25	0.18	0.66	LPG820M22025□VA	
	180	25x30	0.18	1.15	LPI181M25030□VA	100	22x30	0.18	0.78	LPG101M22030□VA	
	180	30x25	0.18	1.18	LPI181M30025□VA	100	25x25	0.18	0.81	LPG101M25025□VA	
	220	22x40	0.18	1.29	LPI221M22040□VA	120	22x35	0.18	0.86	LPG121M22035□VA	
	220	25x35	0.18	1.27	LPI221M25035□VA	120	25x30	0.18	0.88	LPG121M25030□VA	
	220	30x25	0.18	1.30	LPI221M30025□VA	120	30x25	0.18	0.90	LPG121M30025□VA	
270	22x45	0.18	1.50	LPI271M22045□VA	150	22x40	0.18	1.01	LPG151M22040□VA		

270	25x40	0.18	1.49	LPI271M25040□VA
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150	25x30	0.18	1.05	LPG151M25030□VA
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\*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

W <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size DxL (mm)	tanδ 20°C120Hz	Ripple Current 85°C120Hz (Arms)	Catalog Part Number
400 (450)	150	30x25	0.18	1.08	LPG151M30025□VA
	180	22x45	0.18	1.17	LPG181M22045□VA
	180	25x35	0.18	1.21	LPG181M25035□VA
	220	22x40	0.18	1.22	LPG221M22040□VA
	220	22x45	0.18	1.29	LPG221M22045□VA
	220	30x35	0.18	1.38	LPG221M30035□VA
	220	35x25	0.18	1.41	LPG221M35025□VA
	270	25x45	0.18	1.64	LPG271M25045□VA
	270	30x40	0.18	1.61	LPG271M30040□VA
	330	25x45	0.18	1.80	LPG331M25045□VA
	330	25x50	0.18	1.89	LPG331M25050□VA
	330	35x25	0.18	1.73	LPG331M35025□VA
	330	35x40	0.18	2.08	LPG331M35040□VA
	390	30x50	0.18	2.12	LPG391M30050□VA
	470	22x65	0.18	2.09	LPG471M22065□VA
	470	30x50	0.18	2.20	LPG471M30050□VA
	470	30x60	0.18	2.38	LPG471M30060□VA
	470	35x35	0.18	2.07	LPG471M35035□VA
	470	35x40	0.18	2.19	LPG471M35040□VA
	470	35x45	0.18	2.30	LPG471M35045□VA
	470	35x50	0.18	2.40	LPG471M35050□VA
	560	25x65	0.18	2.56	LPG561M25065□VA
	560	25x70	0.18	2.65	LPG561M25070□VA
	560	30x50	0.18	2.52	LPG561M30050□VA
	560	30x60	0.18	2.73	LPG561M30060□VA
	560	35x50	0.18	2.73	LPG561M35050□VA
	680	30x50	0.18	2.68	LPG681M30050□VA
	680	30x55	0.18	2.80	LPG681M30055□VA
	680	30x60	0.18	2.91	LPG681M30060□VA
	680	35x50	0.18	2.93	LPG681M35050□VA
820	35x60	0.18	3.23	LPG821M35060□VA	
1000	35x50	0.18	3.31	LPG102M35050□VA	
1000	35x70	0.18	3.83	LPG102M35070□VA	
450 (500)	47	22x25	0.20	0.52	LPE470M22025□VA
	56	22x25	0.20	0.55	LPE560M22025□VA
	68	22x30	0.20	0.57	LPE680M22030□VA
	68	25x25	0.20	0.57	LPE680M25025□VA
	82	22x30	0.20	0.65	LPE820M22030□VA
	82	25x25	0.20	0.65	LPE820M25025□VA
	100	22x35	0.20	0.72	LPE101M22035□VA
	100	25x30	0.20	0.73	LPE101M25030□VA
	120	22x40	0.20	0.80	LPE121M22040□VA
	120	25x35	0.20	0.83	LPE121M25035□VA
	150	22x45	0.20	0.95	LPE151M22045□VA
	150	25x35	0.20	0.95	LPE151M25035□VA
	180	22x50	0.20	1.1	LPE181M22050□VA
	180	25x40	0.20	1.1	LPE181M25040□VA
	180	30x30	0.20	1.1	LPE181M30030□VA
	220	25x50	0.20	1.2	LPE221M25050□VA
	220	30x35	0.20	1.3	LPE221M30035□VA

W <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size DxL (mm)	tanδ 20°C120Hz	Ripple Current 85°C120Hz (Arms)	Catalog Part Number	
450 (500)	270	30x40	0.20	1.4	LPE271M30040□VA	
	270	35x35	0.20	1.5	LPE271M35035□VA	
	330	30x45	0.20	1.7	LPE331M30045□VA	
	330	35x35	0.20	1.7	LPE331M35035□VA	
	390	30x55	0.20	2.0	LPE391M30055□VA	
	390	35x40	0.20	1.9	LPE391M35040□VA	
	470	30x50	0.20	2.12	LPE471M30050□VA	
	470	30x60	0.20	2.3	LPE471M30060□VA	
	470	35x50	0.20	2.2	LPE471M35050□VA	
	560	35x50	0.20	2.4	LPE561M35050□VA	
	680	30x60	0.20	2.66	LPE681M30060□VA	
	680	35x50	0.20	2.68	LPE681M35050□VA	
	680	35x60	0.20	2.9	LPE681M35060□VA	
	1000	35x70	0.20	4.04	LPE102M35070□VA	
	500 (550)	47	22x25	0.20	0.53	LPC470M22025□VA
		56	22x30	0.20	0.56	LPC560M22030□VA
		68	22x35	0.20	0.60	LPC680M22035□VA
		68	25x25	0.20	0.60	LPC680M25025□VA
82		22x40	0.20	0.75	LPC820M22040□VA	
82		25x30	0.20	0.75	LPC820M25030□VA	
100		22x45	0.20	0.90	LPC101M22045□VA	
100		25x35	0.20	0.90	LPC101M25035□VA	
100		30x25	0.20	0.90	LPC101M30025□VA	
120		22x50	0.20	1.00	LPC121M22050□VA	
120		25x40	0.20	1.00	LPC121M25040□VA	
120		30x30	0.20	1.00	LPC121M30030□VA	
150		25x45	0.20	1.20	LPC151M25045□VA	
150		30x35	0.20	1.20	LPC151M30035□VA	
150		35x25	0.20	1.20	LPC151M35025□VA	
180		25x50	0.20	1.40	LPC181M25050□VA	
180		30x40	0.20	1.40	LPC181M30040□VA	
180		35x30	0.20	1.40	LPC181M35030□VA	
220		30x45	0.20	1.60	LPC221M30045□VA	
220		35x35	0.20	1.60	LPC221M35035□VA	
270	30x50	0.20	1.80	LPC271M30050□VA		
270	35x40	0.20	1.80	LPC271M35040□VA		
330	30x60	0.20	2.00	LPC331M30060□VA		
330	35x45	0.20	2.00	LPC331M35045□VA		
390	35x50	0.20	2.30	LPC391M35050□VA		
470	35x60	0.20	2.50	LPC471M35060□VA		
560	35x70	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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