

MP 系列
SERIES

85°C标准品
85°C Standard

◆特 长 / FEATURES
•85°C 2000小时品。
Load life : 85°C 2000 hours.

•RoHS指令对应品。
RoHS compliance.



◆规格表 / SPECIFICATIONS

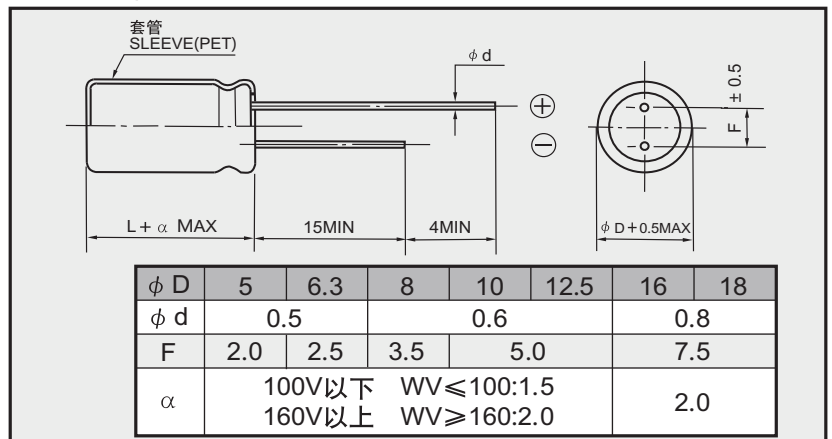
项 目 Items	特 性 Characteristics													
工作温度范围 Category Temperature Range	-40~+85°C	-25~+85°C												
额定电压范围 Rated Voltage Range	6.3~400V.DC	450V.DC												
静电容量允许差 Capacitance Tolerance	± 20%(20°C, 120Hz)													
漏 电 流 Leakage Current (MAX)	6.3~100V.DC	160~450V.DC												
	小于I=0.01CV和3µA中的较大值 I=0.01CV or 3 µ A whichever is greater. (施加额定电压2分钟后) (After 2 minutes application of rated voltage)	CV≤1000	CV>1000											
		I=0.1CV+40 µA以下(1分钟值) I=0.1CV+40 µA (1minute) I=0.03CV+15 µA以下(5分钟值) I=0.03CV+15 µA (5minutes)	I=0.04CV+100µA以下(1分钟值) I=0.04CV+100µA (1minute) I=0.02CV+25 µA以下(5分钟值) I=0.02CV+25 µA (5minutes)											
I=漏电流(µ A) Leakage Current	C=静电容量(µ F) Capacitance	V=额定电压(V) Rated Voltage												
损失角正切值 (tan δ) Dissipation Factor (MAX)	额定电压 (V) Rated Voltage													(20°C, 120Hz)
	tan δ													
对于静电容量超过1000µF的产品, 其静电容量每增加1000 µ F, 则损失角正切值在上表值的基础上加上0.02。 When capacitance is over 1000 µ F, tan δ shall be added 0.02 to the listed value with increase of every 1000 µ F														
耐 久 性 Endurance	在85°C环境中, 不超过额定电压的范围内叠加额定纹波电流, 连续加载2000小时后, 满足以下各项要求。 After applying rated voltage with rated ripple current for 2000 hours at 85°C, the capacitors shall meet the following requirements.													
	静 电 容 量 变 化 率 Capacitance Change	初期值的+25%以内 Within ± 25% of the initial value.												
	损 失 角 正 切 值 Dissipation Factor	规格值的200%以下 Not more than 200% of the specified value.												
漏 电 流 Leakage Current	规格值以下 Not more than the specified value.													
低 温 特 性 Low Temperature Stability (阻 抗 比) Impedance Ratio (MAX)	额定电压 (V) Rated Voltage													(120Hz)
	Z(-25°C)/Z(20°C)													
	Z(-40°C)/Z(20°C)													

◆纹波电流修正系数 /
MULTIPLIER FOR RIPPLE CURRENT

频率 (Hz) Frequency	60(50)	120	500	1k	10k≤
0.47~1 µF	0.50	1.00	1.20	1.30	1.50
2.2~4.7 µF	0.65	1.00	1.20	1.30	1.50
10~47 µF	0.80	1.00	1.20	1.30	1.50
100~1000 µF	0.80	1.00	1.10	1.15	1.20
2200~33000 µF	0.80	1.00	1.05	1.10	1.15

◆尺寸图 / DIMENSIONS

(mm)



◆产品型号体系 / PART NUMBER



◆标准品一览表 / STANDARD SIZE

Size ϕ D × L(mm), Ripple Current (mA r.m.s./105°C, 120Hz)

额定电压 V.DC 静电容量 Cap(μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)		
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	
1											5 × 11	13			
2.2											5 × 11	20			
3.3											5 × 11	25			
4.7											5 × 11	32			
10											5 × 11	47	5 × 11	48	
22										5 × 11	64	5 × 11	70	5 × 11	80
33							5 × 11	69	5 × 11	77	5 × 11	94	6.3 × 11	100	
47					5 × 11	80	5 × 11	84	5 × 11	100	6.3 × 11	115	6.3 × 11	140	
100	5 × 11	96	5 × 11	105	5 × 11	130	5 × 11	135	6.3 × 11	170	8 × 11.5	200	8 × 11.5	230	
220	5 × 11	160	5 × 11	165	6.3 × 11	220	6.3 × 11	240	8 × 11.5	300	10 × 12.5	360	10 × 16	390	
330	6.3 × 11	210	6.3 × 11	235	6.3 × 11	270	8 × 11.5	335	10 × 12.5	400	10 × 16	470	10 × 20	540	
470	6.3 × 11	275	6.3 × 11	295	8 × 11.5	375	8 × 11.5	440	10 × 12.5	525	10 × 20	600	12.5 × 20	700	
680	6.3 × 11	285	8 × 11.5	430	8 × 11.5	480	10 × 12.5	630	10 × 16	760	12.5 × 20	980	12.5 × 25	800	
1000	8 × 11.5	460	8 × 11.5	500	10 × 12.5	640	10 × 16	740	10 × 20	865	12.5 × 25	1060	16 × 25	1200	
2200	10 × 16	775	10 × 16	860	10 × 20	1050	12.5 × 20	1090	16 × 25	1370	16 × 31.5	1600	18 × 31.5	1400	
3300	10 × 20	985	10 × 20	1100	12.5 × 20	1300	16 × 25	1500	16 × 25	1680	18 × 35.5	1780			
4700	12.5 × 20	1150	12.5 × 20	1350	12.5 × 25	1650	16 × 25	1800	16 × 35.5	1870					
6800	12.5 × 25	1480	16 × 25	1700	16 × 25	1900	16 × 35.5	1910	18 × 35.5	1920					
10000	16 × 25	1700	16 × 25	1950	16 × 31.5	1950	18 × 35.5	2050							
15000	16 × 31.5	2090	16 × 35.5	2090	18 × 35.5	2070									
22000	18 × 31.5	2280	18 × 35.5	2180											
33000	18 × 40	2350													

额定电压 V.DC 静电容量 Cap(μF)	100 (2A)		160 (2C)		200 (2D)		250 (2E)		350 (2V)		400 (2G)		450 (2W)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.47							6.3 × 11	8	6.3 × 11	8				
1	5 × 11	15					6.3 × 11	16	6.3 × 11	16	6.3 × 11	16	6.3 × 11	15
2.2	5 × 11	21					6.3 × 11	30	6.3 × 11	25	8 × 11.5	31	8 × 11.5	20
3.3	5 × 11	30			6.3 × 11	36	6.3 × 11	30	8 × 11.5	30	8 × 11.5	34	10 × 12.5	33
4.7	5 × 11	35	6.3 × 11	43	6.3 × 11	40	8 × 11.5	45	8 × 11.5	45	10 × 12.5	42	10 × 12.5	35
10	5 × 11	60	8 × 11.5	77	8 × 11.5	57	10 × 12.5	90	10 × 16	95	10 × 16	64	10 × 20	37
22	6.3 × 11	98	10 × 12.5	92	10 × 16	105	10 × 16	105	12.5 × 20	175	12.5 × 20	140	12.5 × 25	100
33	8 × 11.5	140	10 × 16	125	10 × 20	140	10 × 20	140	12.5 × 25	220	16 × 25	170	16 × 25	125
47	8 × 11.5	185	10 × 20	150	10 × 20	195	12.5 × 20	190	16 × 25	260	16 × 25	200	16 × 31.5	155
100	10 × 16	290	12.5 × 25	320	16 × 25	340	16 × 25	310	18 × 31.5	370	18 × 35.5	310	18 × 40	200
220	12.5 × 20	560	16 × 31.5	410	16 × 35.5	580	18 × 35.5	485						
330	12.5 × 25	690	18 × 31.5	570	18 × 40	675								
470	16 × 25	880	18 × 40	855										
680	16 × 31.5	900												
1000	18 × 35.5	985												