

PV 高分子导电型(标准品)——贴片型

PV Series Conductive polymer type(Standard type)-----SMD type

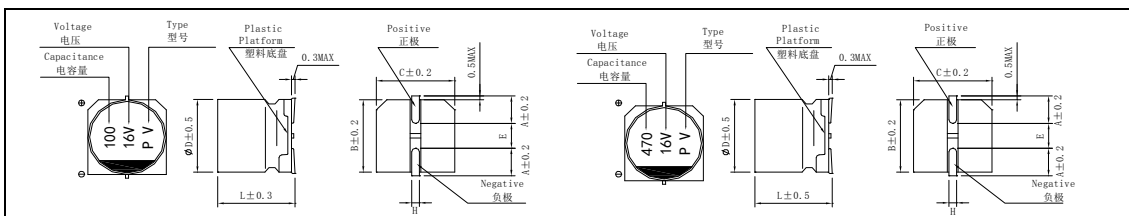
特点 Features

- 适用于表面贴装。Use for surface mounted type.
- 适用于无铅回流焊。The product can support lead free -reflow .
- ROHS 指令已对应完毕。Adapted to the ROHS directive.

主要技术性能 Specifications

项目 Items	特性 Characteristics		
工作温度范围 Operating Temperature Range	-55℃ ~+105℃		
额定电压范围 Rated Voltage Range	2.5V ~2 5V		
标称容量范围 Nominal Capacitance Range	3.3 ~ 2200μF		
标称容量允许偏差 Nominal Capacitance Tolerance	±20% (20℃, 120Hz)		
漏电流 Leakage Current	≤表1 规定值 Less than or equal to the value of table1 2 分钟 at 20℃, after 2 minutes		
损耗角正切 (tgδ) Dissipation Factor (Max)	20℃, 120Hz	直径 Φ4~Φ5	Φ6.3~Φ10
		tgδ	0.10 0.08
ESR	≤表1 规定值 Less than or equal to the value of table1		
高低温特性比 Characteristics of impedance ratio at high temp. and low temp.	要求在 100KHZ 20℃ Based the value at 100KHZ. +20℃	-55℃	Z/Z20℃ 0.75 to 1.25
		+105℃	Z/Z20℃ 0.75 to 1.25
耐久性 Load Life	+105℃施加额定电压 2000 小时后，电容器应满足以下要求： After 2000 hours' application of rated voltage at 105℃, the capacitor shall meet the following requirement:		
	容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)	
	损耗角正切 Dissipation Factor	≤ 150%初始规定值 Not more than 150% of the initial specified value	
	阻抗 Equivalent Series Resistance	≤ 150%初始规定值 Not more than 150% of the initial specified value	
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value	
稳态湿热 Damp heat(Steady state)	60℃, 90~95% RH, 不加电压 1000 小时 60℃, 90~95% RH, 1000 hours, No-applied voltage.		
	容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)	
	损耗角正切 Dissipation Factor	≤ 150%初始规定值 Not more than 150% of the initial specified value	
	阻抗 Equivalent Series Resistance	≤ 150%初始规定值 Not more than 150% of the initial specified value	
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value	
耐焊接热 Resistance to Soldering Heat	(VPS) (260℃ X 10s)		
	容量变化率 Capacitance Change	±10%初始值以内 Within ±10% of the initial value (16V 以上: within ±15% of the initial value)	
	损耗角正切 Dissipation Factor	≤ 初始规定值 Not more than the initial specified value	
	阻抗 Equivalent Series Resistance	≤ 初始规定值 Not more than the initial specified value	
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value	

尺寸图 Dimensions



尺寸表 Size list

	4 × 5.4	5 × 5.4	6.3 × 5.4	6.3 × 9.5	8 × 7.7	8 × 9.5	8 × 10.5	8 × 12.5	10 × 10.5	10 × 12.5
A	1.8	2.1	2.4	2.4	2.9	2.9	2.9	2.9	3.2	3.2
B	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	8.3	8.3	10.3	10.3
E	1.0	1.3	2.2	2.2	3.1	3.1	3.1	3.1	4.5	4.5
L	6	6	6	9.5	7.7	9.5	10.5	12.5	10.5	12.5
H	0.5 ~ 0.8				0.8 ~ 1.1					

■ 称电容量、额定电压、额定纹波电流与尺寸对应表 Nominal capacitance, rated voltage, rated ripple current and case size table

Size Code	UR (V)	CR (μF)	ESR (mΩ max.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩ max.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
4 × 5.4	16	3.3	110	660	300	6.3 × 5.4	2.5	330	28	2800	300
	10	4.7	110	670	300		2.5	390	28	2800	300
	10	6.8	110	670	300	6.3 × 9.5	16	220	17	3100	704
	10	10	110	700	300		16	270	17	3100	864
	10	15	110	740	300		6.3	470	15	3100	592
	6.3	22	110	740	300		6.3	560	15	3100	706
	4	33	110	740	300		4	470	15	3900	376
5 × 5.4	20	10	110	1100	300	4	560	15	3900	448	
	16	15	110	1100	300	2.5	470	15	3900	300	
	16	22	110	1100	300	2.5	560	15	3900	300	
	10	33	110	1200	300	2.5	820	15	3900	410	
	6.3	47	110	1200	300	2.5	1000	15	3900	500	
	4	39	110	1100	300	8 × 7.7	25	10	35	2700	300
	4	68	110	1400	300		20	33	35	2700	300
6.3 × 5.4	25	6.8	35	1400	300		20	47	35	2700	300
	25	27	35	2100	300		16	56	21	3100	300
	25	33	35	2100	300		16	82	21	3100	300
	20	22	35	2200	300		16	270	21	3100	864
	20	27	35	2200	300		10	120	21	3100	300
	16	39	35	1400	300		10	150	21	3100	300
	16	47	35	2100	300		6.3	220	15	3100	300
	16	68	35	2100	300		4	150	15	3100	300
	16	82	35	2100	300		4	330	15	3900	300
	16	100	35	2100	320		4	470	15	3900	376
	10	47	28	1400	300		4	560	15	3900	448
	10	56	28	1400	300		2.5	470	15	3900	300
	10	120	28	2100	300	2.5	560	15	3900	300	
	6.3	82	28	1400	300	2.5	820	15	3900	410	
6.3	100	28	1500	300	2.5	1000	15	3900	500		
6.3 × 9.5	6.3	120	28	2500	300	16	270	15	4700	864	
	6.3	220	28	2700	300	16	330	15	4700	1056	
	4	150	28	1700	300	6.3	470	15	4700	592	
	4	220	28	2100	300	6.3	560	15	5100	706	
	4	330	28	2800	300	6.3	820	15	5100	1033	
	2.5	220	28	2800	300	4	470	15	5300	376	

Size Code	UR (V)	CR (μF)	ESR (mΩ max.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)	Size Code	UR (V)	CR (μF)	ESR (mΩ max.)	Ripple 100KHZ (mArms)	Leakage current(μA) (max.)
8×9.5	4	560	15	5400	448	10×10.5	25	56	35	3100	300
	4	820	15	5400	656		25	100	35	3100	500
	4	1000	15	5400	800		25	150	35	3900	750
	2.5	470	15	5400	300		20	150	35	3900	600
	2.5	560	15	5400	300		20	220	35	3900	880
	2.5	820	15	5400	410		20	270	35	3900	1080
	2.5	1000	15	5400	500		20	330	35	3900	1320
	2.5	1200	15	5400	600		20	390	35	3900	1560
8×10.5	25	33	35	2700	300		16	330	17	4700	1056
	20	100	35	3100	400		16	390	17	4700	1248
	16	180	17	4700	576		16	470	17	4700	1504
	16	220	17	4700	704		10	470	17	4700	940
	16	270	17	4700	864		10	560	17	5400	1120
	16	330	17	4700	1056		6.3	820	15	5400	1033
	10	330	17	4700	660		4	1000	15	5400	800
	6.3	470	15	5100	592		4	1200	15	5400	960
	6.3	560	15	5400	706	2.5	1000	15	5400	500	
	6.3	820	15	5400	1033	2.5	1200	15	5400	600	
	4	560	15	5400	448	2.5	1500	15	5400	750	
	4	680	15	5400	544	10×12.5	25	150	35	3100	750
	4	820	15	5400	656		25	220	35	3100	1100
	4	1000	15	5400	800		20	150	35	3100	600
	2.5	680	15	5400	340		20	220	35	3100	880
	2.5	820	15	5400	410		20	270	35	3100	1080
2.5	1000	15	5400	500	20		330	35	3100	1320	
2.5	1200	15	5400	600	20		390	35	3100	1560	
25	100	35	3100	500	20		470	35	3100	1880	
20	100	35	3100	400	16		330	17	4700	1056	
20	150	35	3100	600	16		390	17	4700	1248	
16	220	17	4700	704	16		470	17	4700	1504	
16	270	17	4700	864	16		560	17	4700	1792	
16	330	17	4700	1056	10		560	17	4700	1120	
16	390	17	4700	1248	10		680	17	4700	1360	
10	330	17	4700	660	6.3		820	15	5400	1033	
10	390	14	4700	780	6.3		1000	15	5400	1260	
10	470	17	4700	940	4	1000	15	5400	800		
6.3	820	15	5400	1033	4	1200	15	5400	960		
6.3	1000	15	5400	1260	4	1500	15	5400	1200		
2.5	820	15	5400	410	2.5	1000	15	5400	500		
2.5	1000	15	5400	500	2.5	1200	15	5400	600		
2.5	1200	15	5400	600	2.5	1500	15	5400	750		
2.5	1500	15	5400	750	2.5	2200	15	5400	1100		

└ ESR(100KHZ to 300KHZ)