

PD 高分子导电型(低阻抗品)——贴片型

PD Series Conductive polymer type(Low ESR type)-----SMD type

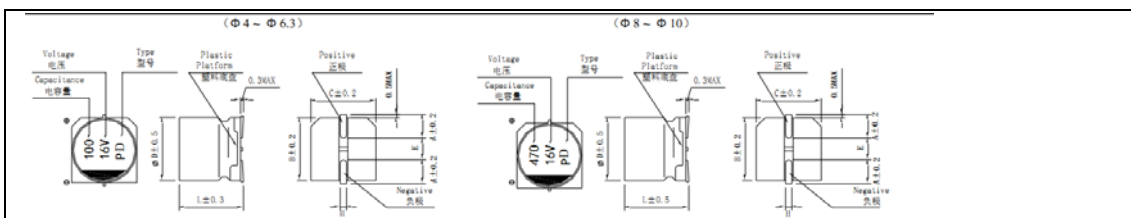
特点 Features

- 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 tgδ	Φ4~Φ5 0.10
			Φ6.3~Φ10 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	85	1020	300	6.3 × 5.4	2.5	330	18	3300	300
	10	4.7	85	1020	300		2.5	390	18	3300	300
	10	6.8	85	1020	300	6.3 × 9.5	16	220	13	4700	704
	10	10	85	1020	300		16	270	13	4700	864
	10	15	85	1020	300		6.3	470	10	4700	592
	6.3	22	85	1020	300		6.3	560	10	4700	706
	4	33	85	1020	300		4	470	10	5400	376
5 × 5.4	20	10	85	1440	300	4	560	10	5400	448	
	16	15	85	1440	300	2.5	470	10	5400	300	
	16	22	85	1440	300	2.5	560	10	5400	300	
	10	33	85	1500	300	2.5	820	10	5400	410	
	6.3	47	85	1500	300	2.5	1000	10	5400	500	
	4	39	85	1500	300	8 × 7.7	25	10	28	3100	300
	4	68	85	1800	300		20	33	28	3100	300
6.3 × 5.4	25	6.8	28	1800	300		20	47	28	3100	300
	25	27	28	2400	300		16	56	15	4700	300
	25	33	28	2400	300		16	82	15	4700	300
	20	22	28	2500	300		16	270	15	4700	864
	20	27	28	2500	300		10	120	15	4700	300
	16	39	28	1820	300		10	150	15	4700	300
	16	47	28	2400	300		6.3	220	10	4700	300
	16	68	28	2400	300		4	150	10	4700	300
	16	82	28	2400	300		4	330	10	5400	300
	16	100	28	2400	320		4	470	10	5400	376
	10	47	18	1800	300		4	560	10	5400	448
	10	56	18	1800	300		2.5	470	10	5400	300
	10	120	18	2400	300	2.5	560	10	5400	300	
	6.3	82	18	1800	300	2.5	820	10	5400	410	
6.3	100	18	1950	300	2.5	1000	10	5400	500		
6.3	120	18	2780	300	8 × 9.5	16	270	13	5100	864	
6.3	220	18	3100	300		16	330	13	5100	1056	
4	150	18	1950	300		6.3	470	10	5400	592	
4	220	18	2390	300		6.3	560	10	5700	706	
4	330	18	3300	300		6.3	820	10	5700	1033	
2.5	220	18	3300	300		4	470	10	5900	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	10	6100	448	10×10.5	25	56	28	3800	300
	4	820	10	6100	656		25	100	28	3900	500
	4	1000	10	6100	800		25	150	28	4320	750
	2.5	470	10	6100	300		20	150	28	4700	600
	2.5	560	10	6100	300		20	220	28	4700	880
	2.5	820	10	6100	410		20	270	28	4700	1080
	2.5	1000		6100	500		20	330	28	4700	1320
	2.5	1200	10	6100	600		20	390	28	4700	1560
8×10.5	25	33	28	2980	300	16	330	13	4720	1056	
	20	100	28	3320	400	16	390	13	5400	1248	
	16	180	13	5100	576	16	470	13	5400	1504	
	16	220	13	5100	704	10	470	13	5400	940	
	16	270	13	5100	864	10	560	13	5400	1120	
	16	330	13	5100	1056	6.3	820	10	6100	1033	
	10	330	13	5100	660	4	1000	10	6100	800	
	6.3	470	10	5700	592	4	1200	10	6100	960	
	6.3	560	10	6100	706	2.5	1000	10	6100	500	
	6.3	820	10	6100	1033	2.5	1200	10	6100	600	
	4	560	10	6100	448	2.5	1500	10	6100	750	
	4	680	10	6100	544	25	150	28	3900	750	
	4	820	10	6100	656	25	220	28	3900	1100	
	4	1000	10	6100	800	20	150	28	3900	600	
	2.5	680	10	6100	340	20	220	28	3900	880	
	2.5	820	10	6100	410	20	270	28	3900	1080	
2.5	1000	10	6100	500	20	330	28	3900	1320		
2.5	1200	10	6100	600	20	390	28	3900	1560		
8×12.5	25	100	28	3900	500	20	470	2	3900	1880	
	20	100	28	3900	400	16	330	13	5400	1056	
	20	150	28	3900	600	16	390	13	5400	1248	
	16	220	13	5100	704	16	470	13	5400	1504	
	16	270	13	5100	864	16	560	13	5400	1792	
	16	330	13	5100	1056	10	560	13	5400	1120	
	16	390	13	5100	1248	10	680	13	5400	1360	
	10	330	13	5400	660	6.3	820	10	6100	1033	
	10	390	13	5400	780	6.3	1000	10	6100	1260	
	10	470	13	5400	940	4	1000	10	6100	800	
	6.3	820	10	6100	1033	4	1200	10	6100	960	
	6.3	1000	10	6100	1260	4	1500	10	6100	1200	
	2.5	820	10	6100	410	2.5	1000	10	6100	500	
	2.5	1000	10	6100	500	2.5	1200	10	6100	600	
	2.5	1200	10	6100	600	2.5	1500	10	6100	750	
	2.5	1500	10	6100	750	2.5	2200	10	6100	1100	

└ ESR(100KHZ to 300KHZ)