

PC 高分子导电型(低阻抗品)——插件型

PC Conductive polymer type(Low ESR type)-----Radial type

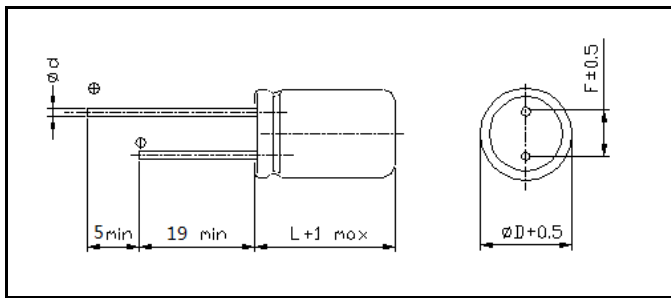
## 特点 Features

- 径向引线型，以 PE 为基础的高分子导电型。  
This is a lead type using conductive polymer based on PE
- 可适于无铅焊  
Lead free-flow is supported
- 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℃ +105℃	Z/Z20℃ Z/Z20℃ 0.75 to 1.25 0.75 to 1.25
耐久性 Load Life	+105℃施加额定电压 5000 小时后，电容器应满足以下要求(Φ4&Φ5 或制品高度在 6mm 以下的产品寿命：2000 小时)： After 5000 hours' application of rated voltage at 105℃, the capacitor shall meet the following requirement: (Load life time of Φ4 & Φ5 or the height not more than 6mm: 2000 hours)		
	电容量变化率 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.		
	电容量变化率 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)		
	电容量变化率 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



单位 Unit:mm

D	4	5	6	8	10
F	1.5	2.0	2.5	3.5	5
d	0.45	0.5	0.6	0.6	0.6

尺寸表 Size list

■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	75	1020	100	6.3×5.4	4	330	15	3300	264	
	10	4.7	75	1020	100		2.5	220	15	3300	110	
	10	6.8	75	1020	100		2.5	330	15	3300	165	
	10	10	75	1020	100		2.5	390	15	3300	195	
	10	15	75	1020	100	6.3×9	16	220	10	4700	704	
	6.3	22	75	1020	100		16	270	10	4700	864	
	4	33	75	1020	100		6.3	470	7	4700	592	
5×5.4	20	10	75	1440	100		6.3	560	7	4700	706	
	16	15	75	1440	100		4	470	7	5400	376	
	16	22	75	1440	100		4	560	7	5400	448	
	10	33	75	1500	100		2.5	470	7	5400	235	
	6.3	47	75	1500	100	2.5	560	7	5400	280		
	4	39	75	1500	100	2.5	820	7	5400	410		
	4	68	75	1800	100	2.5	1000	7	5400	500		
5×8	6.3	270	15	2500	340	8×7	25	10	24	3100	100	
5×11	16	100	24	2500	320		20	33	24	3100	132	
6.3×5.4	25	6.8	24	1800	100		20	47	24	3100	188	
	25	27	24	2400	135		16	56	12	4700	179	
	25	33	24	2400	165		16	82	12	4700	262	
	20	22	24	2500	100		16	270	12	4700	864	
	20	27	24	2500	108		10	120	12	4700	240	
	16	39	24	1820	125		10	150	12	4700	300	
	16	47	24	2400	150		6.3	220	7	4700	277	
	16	68	24	2400	218		4	150	7	4700	120	
	16	82	24	2400	262		4	330	7	5400	264	
	16	100	24	2400	320		4	470	7	5400	376	
	10	47	15	1800	100		4	560	7	5400	448	
	10	56	15	1800	112		2.5	470	7	5400	235	
	10	120	15	2400	240		2.5	560	7	5400	280	
	6.3	82	15	1800	103		2.5	820	7	5400	410	
	6.3	100	15	1950	126		2.5	1000	7	5400	500	
	6.3	120	15	2780	151		8×9	16	270	10	5100	864
	6.3	220	15	3100	277			16	330	10	5100	1056
	4	150	15	1950	120			6.3	470	7	5400	592
	4	220	15	2390	176	6.3		560	7	5700	706	

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	6.3	820	7	5700	1033	10×10	25	56	24	3800	280
	4	470	7	5900	376		25	100	24	3900	500
	4	560	7	6100	448		25	150	24	4320	750
	4	820	7	6100	656		20	150	24	4700	600
	4	1000	7	6100	800		20	220	24	4700	880
	2.5	470	7	6100	235		20	270	24	4700	1080
	2.5	560	7	6100	280		20	330	24	4700	1320
	2.5	820	7	6100	410		20	390	24	4700	1560
	2.5	1000	7	6100	500		16	330	10	4720	1056
	2.5	1200	7	6100	600		16	390	10	5400	1248
8×10	25	33	24	2980	165	16	470	10	5400	1504	
	20	100	24	3320	400	10	470	10	5400	940	
	16	180	10	5140	576	10	560	10	5400	1120	
	16	220	10	5100	704	6.3	820	7	6100	1033	
	16	270	10	5100	864	4	1000	7	6100	800	
	16	330	10	5100	1056	4	1200	7	6100	960	
	10	330	10	5100	660	2.5	1000	7	6100	500	
	6.3	470	7	5700	592	2.5	1200	7	6100	600	
	6.3	560	7	6100	706	2.5	1500	7	6100	750	
	6.3	820	7	6100	1033	10×12	25	150	24	3900	750
	4	560	7	6100	448		25	220	24	3900	1100
	4	680	7	6100	544		20	150	24	3900	600
	4	820	7	6100	656		20	220	24	3900	880
	4	1000	7	6100	800		20	270	24	3900	1080
2.5	680	7	6100	340	20		330	24	3900	1320	
2.5	820	7	6100	410	20		390	24	3900	1560	
2.5	1000	7	6100	500	20		470	24	3900	1880	
2.5	1200	7	6100	600	16		330	10	5400	1056	
8×12	25	100	24	3900	500		16	390	10	5400	1248
	20	100	24	3900	400		16	470	10	5400	1504
	20	150	24	3900	600		16	560	10	5400	1792
	16	220	10	5100	704		10	560	10	5400	1120
	16	270	10	5100	864		10	680	10	5400	1360
	16	330	10	5100	1056	6.3	820	7	6100	1033	
	16	390	10	5100	1248	6.3	1000	7	6100	1260	
	10	0	10	5400	660	4	1000	7	6100	800	
	10	390	10	5400	780	4	1200	7	6100	960	
	10	470	10	5400	940	4	1500	7	6100	1200	
	6.3	820	7	6100	1033	2.5	1000	7	6100	500	
	6.3	1000	7	6100	1260	2.5	1200	7	6100	600	
	2.5	820	7	6100	410	2.5	1500	7	6100	750	
	2.5	1000	7	6100	500	2.5	2200	7	6100	1100	
	2.5	1200	7	6100	600						
	2.5	1500	7	6100	750						

ESR(100KHZ to 300KHZ)