

PF 高分子导电型(长寿命产品)—插件型

PF Series Conductive polymer type(Long life type)lead type

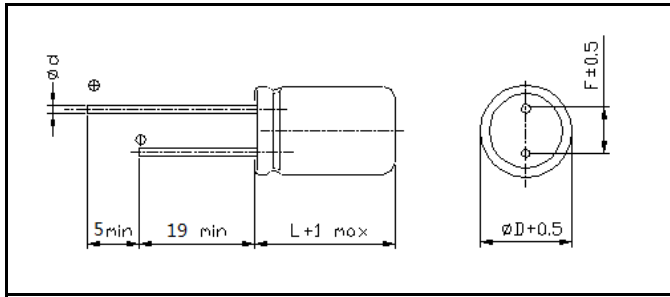
## 特点 Features

- 径向引线型，以 PC 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 ~35V		
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 Φ6.3~Φ10	tgδ 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 5000 小时后，电容器应满足以下要求 After 5000 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



单位 Unit:mm

D	6	8	10
F	2.5	3.5	5
d	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 tabl

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.)
6.3×9	2.5	470	7	5400	235	8×12	25	100	24	3900	500
	2.5	560	7	5400	280		25	220	25	4100	1100
	2.5	820	7	5400	410		35	47	24	2600	329
	2.5	1000	7	5400	500		35	100	24	3300	700
	4	470	7	5400	376	10×12	2.5	1000	7	6100	500
	4	560	7	5400	448		2.5	1200	7	6100	600
	6.3	470	7	4700	592		2.5	1500	7	6100	750
	6.3	560	7	4700	706		2.5	2200	7	6100	1100
	16	220	10	4700	704		4	1000	7	6100	800
	25	47	25	2100	235		4	1200	7	6100	960
8×9	2.5	560	7	6100	280		4	1500	7	6100	1200
	2.5	820	7	6100	410		6.3	820	7	6100	1033
	2.5	1000	7	6100	500		6.3	1000	7	6100	1260
	2.5	1200	7	6100	600		10	560	10	5400	1120
	4	470	7	5900	376		10	680	10	5400	1360
	4	560	7	6100	448		16	330	10	5400	1056
	4	820	7	6100	656		16	390	10	5400	1248
	4	1000	7	6100	800		16	470	10	5400	1504
	6.3	560	7	5700	706		16	560	10	5400	1792
	6.3	820	7	5700	1033		20	150	25	3900	600
	16	270	10	5100	864		20	220	25	3900	880
	16	330	10	5100	1056		20	270	25	3900	1080
8×12	2.5	1000	7	6100	500		20	330	25	3900	1320
	2.5	1200	7	6100	600		20	390	25	3900	1560
	6.3	820	7	6100	1033	20	470	25	3900	1880	
	6.3	1000	7	6100	1260	25	150	25	3900	750	
	10	390	10	5400	780	25	220	25	3900	1100	
	16	270	10	5100	864	35	100	25	3400	700	
	16	330	10	5100	1056	35	220	25	3400	1540	
	16	390	10	5100	1248						

ESR(100KHZ to 300KHZ)

如客户需要的规格尺寸可协调设计定制