

PH 高分子导电型(高电压品)——插件型

PH Series Conductive polymer type(Higt working voltage type)-----Radial lead type

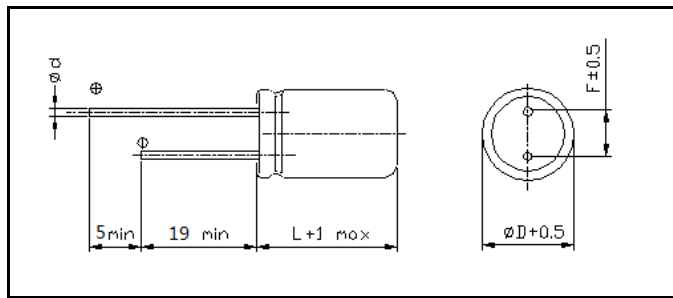
特点 Features

- 径向引线型。
This is a lead type
- 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	35V ~100V		
标称容量范围 Nominal Capacitance Range	10~330μF		
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 Φ5 tgδ	Φ6.3~Φ10 0.12 0.10
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 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	
	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	5	6	8	10
F	2.0	2.5	3.5	5
d	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.)
5*9	35	27	35	1900	189	8*8	63	39	35	2000	491.4
		33	35	1900	231			47	35	2000	592.2
		39	35	1900	273			56	35	2000	705.6
	50	47	35	1900	329		100	15	35	1700	300
		15	35	1700	150			22	35	1700	440
		22	35	1700	220			27	35	1700	570
		27	35	1700	270			8*12	35	100	30
6.3*8	35	56	30	1900	392	220	30			2900	1540
		68	30	1900	476	50	68		30	2700	680
	50	33	30	1700	330		100		30	2700	1000
39		30	1700	390	63	56	30		2700	705.6	
47	30	1700	470	68		30	2700		856.8		
63	63	22	35	1700	277.2	100	27		30	2100	540
		27	35	1700	340.2		33	30	2100	660	
		33	35	1700	415.8		10*12	35	150	30	3800
6.3*9	35	82	30	1900	576	220			30	3800	1540
		100	30	1900	700	270			30	3800	1890
50	58	30	1700	580	50	330		30	3800	2310	
	33	35	1700	415.8		100		30	3100	1000	
39	35	1700	491.4	63	220	30		3100	2200		
8*8	35	82	30		2600	574		68	30	2900	856.8
		100	30	2600	700	100	30	2900	1260		
	50	47	30	2600	470	100	39	30	2100	780	
		68	30	2600	680		47	30	2100	940	
63	33	35	2000	415.8	56		30	2100	1120		

ESR(100KHZ to 300KHZ)