PF series Long Life to 5,000Hours

Features

◆ Super Long Life to 5,000Hours.
◆ Low ESR at high frequency range.

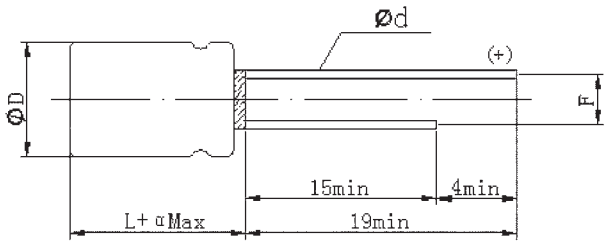
Specifications

Item	Performance Characteristics	
Operating Temp. Range	-55℃～+105℃	
Capacitance Range	100～2700μF	
Capacitance Tolerance	M：±20%	
Rated Voltage Range	2.5V ～16V DC	
Dissipation Factor （at 120Hz,20℃）	Not to exceed the value specified	
Leakage Current	≤0.2CV （μA, after 2 minutes)	
ESR（100K~300KHz）	Not to exceed the value specified	
Endurance 105℃，5000h，at rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified
Moisture Resistance Stored at 60℃，RH90~95%，1000h	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not to exceed the value specified
	ESR	Not to exceed 150% of the value specified
	Dissipation Factor	Not to exceed 150% of the value specified

Frequency Coefficient for Ripple Current

Frequency	120Hz≦freq.<1KHz	1KHz≦freq.<10KHz	10KHz≦freq.<100KHz	100KHz≦freq.<300KHz
Coefficient	0.05	0.3	0.7	1

Diagram of Dimensions:(unit:mm)



ϕD×L	ϕD+0.5max.	α	F±0.5	ϕd±0.05
6.3×8	6.3	1.5	2.5	0.6
6.3×11	6.3	1.5	2.5	0.6
8×8	8.0	1.0	3.5	0.6
8×11.5	8.0	1.5	3.5	0.6
10×12.5	10.0	1.5	5.0	0.6

Dimensions & Characteristics

ϕDxL(mm)

W.V. (V)	Capacitance (μF)	L.C. (μA,2min)	tg δ (120Hz,20℃)	ESR (mΩ,100KHZ)	Maximum Permissible Ripple Current(mA,r.m.s)	Size ΦD×L(mm)
2.5	820	410	0.08	9	4500	6.3×8
				9	6100	8×8
						8×11.5
	1000	500	0.08	9	6100	8×11.5
	1200	600	0.08	9	6100	8×11.5
	1500	750	0.08	9	6100	8×11.5
	2000	1000	0.08	9	6640	10×12.5
	2500	1250	0.08	9	6640	10×12.5
	2700	1350	0.08	9	6640	10×12.5
4	560	448	0.08	9	4500	6.3×8
				9	6100	8×8
						8×11.5
	680	542	0.08	9	6100	8×8
						8×11.5
	820	656	0.08	9	6100	8×8
						8×11.5
						10×12.5
	1000	800	0.08	9	6100	8×11.5
	1200	960	0.08	9	6100	8×11.5
					6640	10×12.5
	1500	1200	0.08	9	6640	10×12.5
	2000	1600	0.08	9	6640	10×12.5
6.3	390	491.4	0.08	9	6100	8×8
						8×11.5
	470	592	0.08	9	4100	6.3×8
				9	6100	8×8
						8×11.5
	560	705.6	0.08	9	4100	6.3×8
				9	6100	8×8
						8×11.5
	680	428	0.08	9	6100	8×8
				9	6100	8×11.5
	820	516.6	0.10	9	6100	8×8
				9	6100	8×11.5
	1000	630	0.10	9	6100	8×11.5
				9	6640	10×12.5
	1200	756	0.10	9	6100	8×11.5
				9	6640	10×12.5
	1500	945	0.10	9	6640	10×12.5
	2000	1260	0.10	9	6640	10×12.5
10	390	390	0.08	9	6100	8×8
					6100	8×11.5
	470	470	0.08	9	6100	8×8
					6100	8×11.5
	560	560	0.10	9	6100	8×8
					6100	8×11.5
	680	680	0.10	9	6640	8×11.5
					6640	10×12.5
	820	820	0.10	9	6640	10×12.5
	1000	1000	0.10	9	6640	10×12.5
16	100	160	0.08	15	3500	6.3×8
				12	4800	6.3×11
	180	288	0.08	12	5600	6.3×11
				10	5100	8×8
				10	5600	8×11.5
				10	5600	10×12.5
	220	352	0.08	10	5100	8×11.5
					5600	10×12.5
	270	432	0.08	10	5100	8×11.5
					5600	10×12.5
	330	528	0.08	10	5600	8×11.5
					6100	10×12.5
	390	624	0.08	10	6100	10×12.5
	470	752	0.10	10	6100	10×12.5
	560	896	0.10	10	6100	10×12.5

Ripple Current (mA, rms) at 105℃, 100KHz

Conductive Polymer

Size List

ϕ DxL(mm)

WV (SV) / Cap(μ F)	2.5 (2.8)	4 (4.6)	6.3 (7.2)	10 (11.5)	16 (18.4)
100					6.3×8/6.3×11
180					6.3×11/8×8/8×11.5
220					8×8/8×11.5
270					8×8/8×11.5
330					8×11.5/10×12.5
390			8×8/8×11.5	8×8/8×11.5	10×12.5
470			6.3×8/8×8/8×11.5	8×8/8×11.5	10×12.5
560		6.3×8/8×8/8×11.5	6.3×8/8×8/8×11.5	8×8/8×11.5	10×12.5
680		8×8/8×11.5	8×8/8×11.5	8×11.5/10×12.5	
820	6.3×8/8×8/8×11.5	8×8/8×11.5/10×12.5	8×8/8×11.5	10×12.5	
1000	8×8/8×11.5	8×11.5	8×11.5/10×12.5	10×12.5	
1200	8×8/8×11.5	8×11.5/10×12.5	8×11.5/10×12.5		
1500	8×11.5	10×12.5	10×12.5		
2000	10×12.5	10×12.5	10×12.5		
2500	10×12.5	10×12.5			
2700	10×12.5				

Ripple Current (mA, rms) at 105℃, 100KHz