

PT series 125°C Guaranteed

Features

- ◆ 125°C Guaranteed.
- ◆ Low ESR at high frequency range.



Specifications

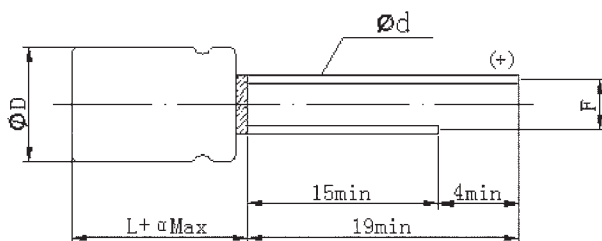
Item	Performance Characteristics	
Operating Temp. Range	-55°C ~ +125°C	
Capacitance Range	100 ~ 2700 μF	
Capacitance Tolerance	M : ±20%	
Rated Voltage Range	2.5V ~ 16V DC	
Dissipation Factor (at 120Hz, 20°C)	Not to exceed the value specified	
Leakage Current	≤ 0.2CV (μA, after 2 minutes)	
ESR (100K~300KHz)	Not to exceed the value specified	
Endurance 125°C, 2000h, 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°C, 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

Conductive Polymer

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 × 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

φ D×L(mm)

W.V. (V)	Capacitance (μF)	L.C. (μA,2min)	tg δ (120Hz,20°C)	ESR (mΩ,100KHZ)	Rated Ripple Current	Allowable ripple current	Size φ D×L(mm)
					100KHz (mA,r.m.s)		
					105°C < T _x ≤125°C	T _x ≤105°C	
2.5	820	410	0.08	9	1929	6100	8×8
							8×11.5
	1000	500	0.08	9	1929	6100	8×11.5
	1200	600	0.08	9	1929	6100	8×11.5
	1500	750	0.08	9	1929	6100	8×11.5
	2000	1000	0.08	9	2100	6640	10×12.5
	2500	1250	0.08	9	2100	6640	10×12.5
	2700	1350	0.08	9	2100	6640	10×12.5
4	560	224	0.08	9	1929	6100	8×8
							8×11.5
	680	272	0.08	9	1929	6100	8×8
							8×11.5
	820	328	0.08	9	1929	6100	8×8
							8×11.5
	1000	800	0.08	9	1929	6100	8×11.5
					1929	6100	8×11.5
				2100	6640	10×12.5	
	1200	960	0.08	9	2100	6640	10×12.5
	1500	1200	0.08	9	2100	6640	10×12.5
	2000	1600	0.08	9	2100	6640	10×12.5
	2500	2000	0.08	9	2100	6640	10×12.5
6.3	390	491.4	0.08	9	1929	6100	8×8
							8×11.5
	470	592	0.08	9	1929	6100	8×8
							8×11.5
	560	705.6	0.08	9	1929	6100	8×8
							8×11.5
	680	428	0.08	9	1929	6100	8×8
							8×11.5
	820	516.6	0.10	9	1929	6100	8×11.5
				1929	6100	8×11.5	
	1000	630	0.10	9	2100	6640	10×12.5
	1200	756	0.10	9	2100	6640	10×12.5
	1500	945	0.10	9	2100	6640	10×12.5
	2000	1260	0.10	9	2100	6640	10×12.5
10	390	390	0.08	9	1929	6100	8×11.5
	470	470	0.08	9	1929	6100	8×11.5
	560	560	0.10	9	1929	6100	8×11.5
							8×11.5
	680	680	0.10	9	2100	6640	10×12.5
							10×12.5
16	100	160	0.08	12	1518	4800	6.3×11
	180	288	0.08	10	1771	5600	8×11.5
	220	352	0.08	10	1771	5600	8×11.5
	270	432	0.08	10	1771	5600	8×11.5
					1771	5600	8×11.5
	330	528	0.08	10	1929	6100	10×12.5
							10×12.5
	390	624	0.08	10	1929	6100	10×12.5
470	752	0.10	10	1929	6100	10×12.5	
560	896	0.10	10	1929	6100	10×12.5	

Ripple Current (mA, rms) at 105°C, 100KHz

Size List

WV (SV) Cap(μF)	φ DxL(mm)				
	2.5 (2.8)	4 (4.6)	6.3 (7.2)	10 (11.5)	16 (18.4)
100					6.3×11
180					8×11.5
220					8×11.5
270					8×11.5
330					8×11.5/10×12.5
390			8×8/8×11.5	8×11.5	10×12.5
470			8×8/8×11.5	8×11.5	10×12.5
560		8×8/8×11.5	8×8/8×11.5	8×11.5	10×12.5
680		8×8/8×11.5	8×8/8×11.5	8×11.5/10×12.5	
820	8×8/8×11.5	8×8/8×11.5	8×11.5	10×12.5	
1000	8×11.5	8×11.5	8×11.5/10×12.5	10×12.5	
1200	8×11.5	8×11.5/10×12.5	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°C, 100KHz