

CapXon PE series

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Features

- ◆ Down Size to $\phi 6.3 \times 8$.
- ◆ Low ESR & large capacitance.
- ◆ Large permissible ripple current.



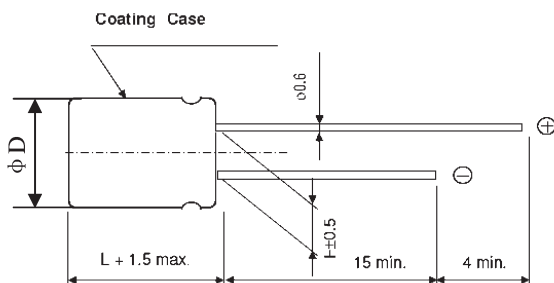
Specifications

Item	Performance Characteristics	
Operating Temperature Range	-55~+105°C	
Rated Voltage Range	2.5~6.3 VDC	
Capacitance Range	470 to 820 μ F	
Capacitance Tolerance	$\pm 20\%$ (120Hz, +20°C)	
Leakage Current (+20°C, max.)	$\leq 0.2CV$ (μ A, after 2 minutes)	
Dissipation Factor (tan δ , at 20°C, 120Hz)	Not to exceed the value specified	
ESR (100K~300KHz)	Not to exceed the value specified	
Endurance 105°C, 2000h, at rated voltage	Capacitance Change	Within $\pm 20\%$ 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%, 2000h	Capacitance Change	Within $\pm 20\%$ 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 \leq freq. < 1KHz	1KHz \leq freq. < 10KHz	10KHz \leq freq. < 100KHz	100KHz \leq freq. < 300KHz
Coefficient	0.05	0.3	0.7	1

Diagram of Dimensions:(unit:mm)



$\phi D \times L$	$\phi D + 0.5 \text{ max.}$	α	F	$\phi d \pm 0.05$
6.3 \times 8	6.3	1.5	2.5	0.6

Dimensions & Characteristics

W.V. (V)	Capacitance (μ F)	L.C. (μ A, 2min)	tg δ (120Hz, 20°C)	ESR (m Ω , 100kHz)	Maximum Permissible Ripple Current(mA, r.m.s)	Size $\phi D \times L$ (mm)
2.5	820	410	0.08	7	5000	6.3X8
4.0	560	448	0.08	7	5000	
6.3	470	592.2	0.08	8	4700	
	560	705.6	0.08	8	4700	

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