

## PE series

### Features

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



### Specifications

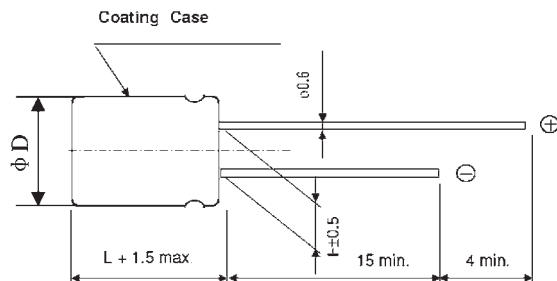
Item	Performance Characteristics	
Operating Temperature Range	-55~+105°C	
Rated Voltage Range	2.5~6.3 VDC	
Capacitance Range	470 to 820 $\mu$ F	
Capacitance Tolerance	$\pm 20\%$ (120Hz,+20°C)	
Leakage Current (+20°C,max.)	$\leq 0.2CV$ ( $\mu$ A, after 2 minutes)	
Dissipation Factor (tan $\delta$ , at 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% , 1000h	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

Conductive Polymer

### 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)



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

### Dimensions & Characteristics

W.V. (V)	Capacitance ( $\mu$ F)	L.C. ( $\mu$ A,2min)	tg $\delta$ (120Hz,20°C)	ESR (m $\Omega$ ,100kHz)	Maximum Permissible Ripple Current(mA,r.m.s)	Size $\phi D \times L$ (mm)
2.5	820	410	0.08	8	5600	6.3 $\times$ 8
4	560	448	0.08	8	5600	
6.3	470	592.2	0.08	9	5100	
	560	705.6	0.08	9	5100	
	620	781.2	0.08	9	4500	

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