

## PE series

### Features

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



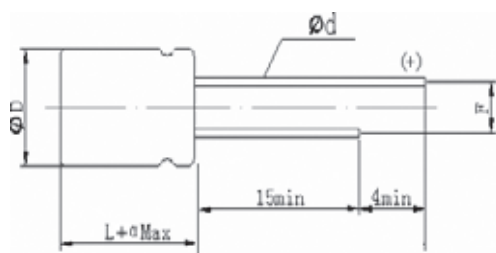
### Specifications

Item	Performance Characteristics	
Operating Temperature Range	-55°C~+105°C	
Rated Voltage Range	2.5~16 VDC	
Capacitance Range	270 to 1200 $\mu$ F	
Capacitance Tolerance	$\pm 20\%$ (120Hz, +20°C)	
Leakage Current (+20°C, max.)	Not to exceed the values shown in Standard Ratings ( Rated voltage applied, after 2 minutes at 20°C )	
Dissipation Factor (tan $\delta$ , at 20°C , 120Hz)	Not to exceed the values shown in Standard Ratings	
ESR ( 100K~300KHz )	Not to exceed the values shown in Standard Ratings	
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

### 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)



$\phi D \times L$	$\phi D + 0.5$	$\alpha$	$F \pm 0.5$	$\phi d \pm 0.05$
6.3x8	6.3	1.0	2.5	0.6

### Dimensions & Characteristics

W.V. (V)	Capacitance( $\mu$ F)	Size $\phi D \times L$ (mm)	L.C. ( $\mu$ A, 2min)	tg $\delta$ (120Hz, 20°C)	ESR (m $\Omega$ ), 100KHz)	Maximum Permissible Ripple Current (mA, r.m.s)
2.5	560	6.3x8	280	8	7	5600
	820	6.3x8	410	8	7	5600
	1200	6.3x8	600	8	7	5600
4	560	6.3x8	448	8	7	5600
6.3	330	6.3x8	415.2	8	8	5000
	470	6.3x8	592.2	8	7	5600
	560	6.3x8	705.6	8	7	5600
	680	6.3x8	856.8	8	7	5600
16	270	6.3x8	864	8	15	4500