

**PL series**

**Very Low ESR**

◇ Features

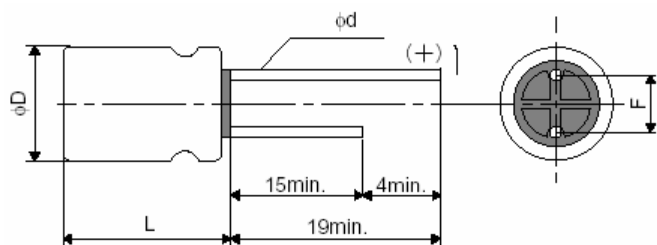
- Ultra Low ESR at a high frequency range.
- Ultra Large permissible ripple current.
- Long life and high reliability.

◇ Specifications

Items	Characteristics	
Operating Temp. Range	-55°C ~ +105°C	
Capacitance Range	1 ~ 2500 μ F	
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 (μ A, after 2 minutes)	
ESR (100K~300KHz)	Not to exceed the value specified	
Endurance 105°C, 2000Hrs, at rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage current	Not to exceed 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 ±20% of the value before test
	Leakage Current	Not to exceed the value specified
	Dissipation Factor	Not to exceed 150% of the value specified

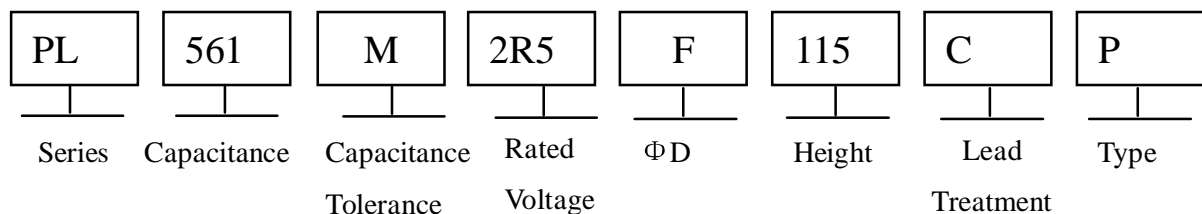
◇ Diagram of Dimensions

(unit: mm)



φ D × L	φ D + 0.5max.	Lmax.	F	φ d ± 0.05
6.3 × 7	6.3	7.5	2.5	0.45
8 × 8	8.0	8.5	3.5	0.6
8 × 11.5	8.0	12.0	3.5	0.6
10 × 12.5	10.0	13.0	5.0	0.6

◇ Part Number(EX) 2.5V560 μ F / 8 φ x11.5



### ✧ Dimensions & Characteristics

W.V. (V)	Capacitance ( $\mu$ F)	L.C. ( $\mu$ A,2min)	tg $\delta$ (120Hz,20°C)	ESR (m $\Omega$ ,100kHz)	Maxmun Permissible Ripple Current(mA,r.m.s)	Size $\Phi$ D×L(mm)
2.5	560	280	0.08	7	5000	8×8
						8×11.5
	680	340	0.08	7	5600	8×8
						8×11.5
	820	410	0.08	7	5600	8×8
						8×11.5
1500	750	0.08	7	6200	10×12.5	
2500	1250	0.08	7	7000	10×12.5	
4.0	560	224	0.08	7	5600	8×8
						8×11.5
	820	328	0.08	7	5500	8×11.5
	1200	960	0.08	7	6100	10×12.5
	1500	1200	0.08	7	6500	10×12.5
6.3	150	189	0.07	7	5600	8×11.5
	220	277	0.07	7	5600	8×11.5
	330	416	0.07	7	5600	8×11.5
	390	245.7	0.08	7	5600	8×11.5
	680	428.4	0.08	7	6100	10×12.5
	820	516.6	0.10	7	6100	10×12.5
	1000	630	0.10	7	6100	10×12.5
10	100	100	0.07	8	5600	8×11.5
	220	440	0.07	8	5600	8×11.5
	470	470	0.08	8	6100	10×12.5
16	68	108	0.08	8	5600	8×11.5
	100	160	0.08	8	5600	8×11.5
	180	288	0.08	8	5600	8×11.5
	330	528	0.08	8	6100	10×12.5

### ✧ 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

✧ [CapXon is in the position to offer also customized products](#)