

PR series

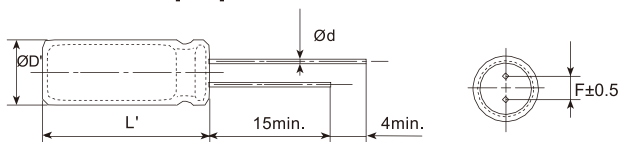
- Endurance: +105°C 5,000 hours
- Low ESR,ripple current resistant
- Recommended Applications: Adaptor
- **RoHS Compliant and lead-free**



SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-55~+105°C						
Rated Working Voltage Range	2.5~35 V _{dc}						
Nominal Capacitance Range	47~1500μF						
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)						
DC Leakage Current	LC=0.2CV or 500μA, whichever is greater. Where, I:Max.leakage current (μA), C:Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)						
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	2.5	6.3	10	16	25	35
	tanδ (max.)	0.08		0.12			(at 20°C, 120Hz)
ESR(100kHz,20°C)	Value in characteristics table						
Temperature Characteristic (Impedance Ratio at 100kHz)	Z(+105°C)/Z(+20°C)≤1.25 Z(-55°C)/Z(+20°C)≤1.25						
Endurance	After applying rated voltage with rated ripple current for 5,000 hours at 105°C,the capacitors shall meet the following requirements.						
	Appearance	No significant damage					
	Capacitance Change	≤±20% of the initial value					
	D.F. (tanδ)	≤150% of the initial specified value					
	ESR	≤150% of the initial specified value					
	Leakage Current	≤The initial specified value					
Humidity Test	After subjected to 90%~95% RH for 2,000 hours at 60°C without voltage applied, the capacitors shall meet the requirement as in surge test.						
Surge Test	After subjected to 1,000 cycles each consisting of charge with the surge voltage specified at normal temperature for 30 seconds through a protective resistor and discharge for 5 minutes 30 seconds, the capacitors shall meet the following requirements.						
	Appearance	No significant damage					
	Capacitance Change	≤±20% of the initial value					
	D.F. (tanδ)	≤150% of the initial specified value					
	ESR	≤150% of the initial specified value					
	Leakage Current	≤The initial specified value					

DIMENSIONS[mm]



ØD	5	5.5	6.3	8	10
Ød	0.5	0.5	0.5	0.6	0.6
F	2.0	2.5	2.5	3.5	5.0
ØD'	ØD-0.1~+0.5		ØD..0.3		
L'	L+1.0max.			L-0.5~+1	

PART NUMBERING SYSTEM

