

PK Series

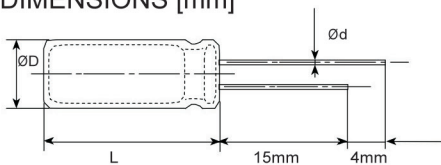
- Endurance :1,000 hours at 135°C
- High Temperature Resistance
- RoHS Compliant and lead-free
- Recommended Applications: Large LED Lanterns power



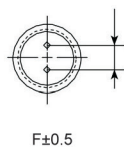
◆ SPECIFICATIONS

Items	Characteristics					
Category Temperature Range	-55 to +135°C					
Rated Working Voltage Range	6.3 to 25Vdc					
Nominal Capacitance Range	10~2200 μF					
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)					
DC Leakage Current	I ≤ 0.2CV or 500μA whichever is greater(at 20°C after 2 minutes)					
	Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)					
Dissipation Factor (tan δ)	Rated Voltage (VDC)	6.3	10	16	20	25
	tanδ (Max.)	0.08	0.12			(at 20°C, 120Hz)
ESR(100K~300KHz,20°C)	Value in characteristics table					
Temperature Characteristic (Impedance Ratio at 100KHz)	Z (+150°C) / Z (+20°C) ≤ 1.25					
	Z (-55°C) / Z (+20°C) ≤ 1.25					
Endurance	After applying rated voltage with rated ripple current for 1000 hours at 150°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 subjecting 90 to 95% RH for 1000 hours at 60°C .no voltage, The capacitors shall meet the requirement as Endurance.					
Surge Test	After subjecting 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]

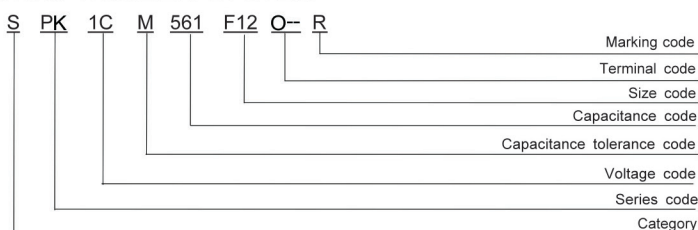


◆ MARKING



ØD	5	6.3	8	10
Ød	0.5	0.5	0.6	0.6
F	2.0	2.5	3.5	5.0
ØD	ØD+0.5 max.			
L	L+1.0 max.			

◆ PART NUMBER SYSTEM



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