

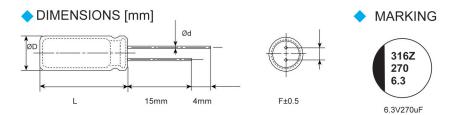
PZ Series

- Endurance :2000 hours at 105 °C
- Low ESR
- RoHS Compliant and lead-free
- Recommended Applications: System Board ,Display Card, Small Changer, intelligent TV



SPECIFICATIONS

Items				Chara	cteris	tics				
Category Temperature Range	–55 to +105℃									
Rated Working Voltage Range	2.5 to 25Vdc									
Nominal Capacitance Range	10~2200 µF									
Capacitance Tolerance	±20%(M) (at 20℃, 1	20Hz)								
DC Leakage Current	I≤0.2CV or 500μA whichever is greater(at 20℃ after 2 minutes)									
	Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)									
Dissipation Factor ($tan \delta$)	Rated Voltage (VDC)	2.5	4	6.3	10	16	20	25	(at 20℃, 120Hz)	
	tanδ (Max.)	0.08				0.12			(at 20 C, 120H2)	
ESR(100K~300KHz,20°C)	Value in characteristics table									
Temperature Characteristic (Impedance Ratio at 100KHz)	Z (+105°C) /Z (+20°C) ≦1.25									
	$Z (-55^{\circ}C) / Z (+20^{\circ}C) \leq 1.25$									
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105°C, the capacitors shall meet the following requirements.									
	Appearance	No significa								
	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 2000 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 significa	ant damag	е						
	Capacitance Change	≤±20% of t	he initial v	alue						
	D.F. (tanδ)	≤150% of t	he initial s	pecified v	alue					
	ESR	≤150% of t	he initial s	pecified v	alue					
	Leakage Current	≤The initial	specified	value						



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.							

