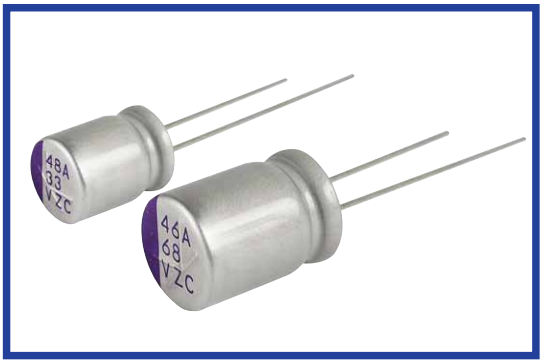
PZC SERIES

Load Life : 125℃ 3000 hours, Lead Wire Type



◆FEATURES

- High Voltage(～50Vdc), Ultra Low ESR, High Ripple Current.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−55～+125℃
Rated Voltage Range	25～50Vdc
Surge Voltage	Rated Voltage ×1.15
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	The value is shown in “STANDARD SIZE” table (After 2 minutes)
(tanδ) Dissipation Factor(MAX)	0.12以下(20℃,120Hz)
Endurance	After applying rated voltage for 3000 hours at 125℃, the capacitors shall meet the following requirements. Capacitance Change: Within ±20% of the initial value. Dissipation Factor: Not more than 150% of the specified value. Leakage Current: Not more than the specified value.
Damp heat(Stady state)	After applying rated voltage for 1000 hours at 60℃ and humidity of 90 to 95%, the capacitors shall meet the following requirements. Capacitance Change: Within ±20% of the initial value. Dissipation Factor: Not more than 150% of the specified value. Leakage Current: Not more than the specified value.
Low Temperature Characteristics Impedance Ratio(MAX)	Z(−55℃)/Z(+20℃)≦1.25 (100kHz) Z(−25℃)/Z(+20℃)≦1.15

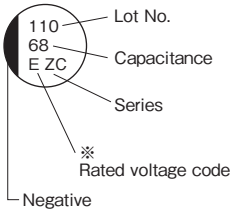
◆PART NUMBER

□□□	PZC	□□□□□	M	□□□	□□	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)	120	1k	10k	100k≦
Coefficient	0.05	0.30	0.70	1.00

◆MARKING

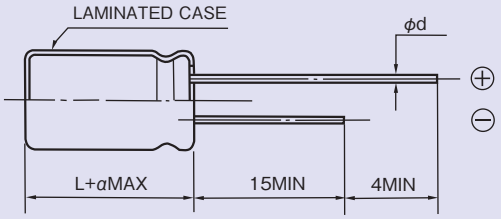


※Voltage code

Rated Voltage (Vdc)	25	35	50
Voltage code	E	V	H

◆DIMENSIONS

(mm)



φD	8		10	
L	10	12.5	10	13
F	3.5		5.0	
φd	0.6			
α	2.0			

◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	(tanδ) (120Hz,20℃)	Leakage Current (μA/2min)	E.S.R. (mΩ,max/20℃, 100kHz)	Rated Ripple Current (mArms/100kHz)
25	68	8×10	0.12	340	35	1600
	82	8×12.5	0.12	410	32	2000
	100	10×10	0.12	500	30	2000
	150	10×13	0.12	750	29	2300
35	33	8×10	0.12	231	37	1600
	39	8×12.5	0.12	273	35	2000
	56	10×10	0.12	392	31	2000
	68	10×13	0.12	476	30	2300
50	22	8×10	0.12	220	38	1250
	27	8×12.5	0.12	270	36	1500
	33	10×10	0.12	330	33	1600
	47	10×13	0.12	470	31	2000