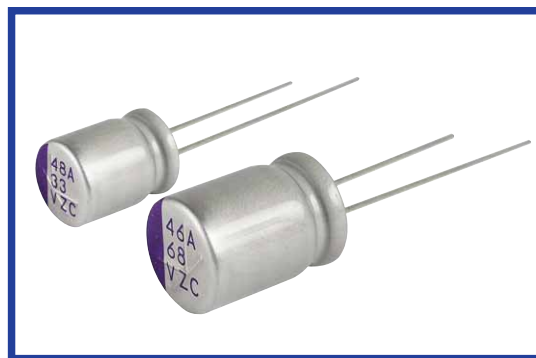


PZC SERIES
NEW
High Voltage (~50V.DC), Ultra Low ESR, Lead Wire Type
◆FEATURES

- High Voltage (~50V.DC), Ultra Low ESR, High Ripple Current
- Load Life : 125°C 3000hours
- RoHS compliance


◆SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-55~+125°C						
Rated Voltage Range	25~50V.DC						
Surge Voltage	Rated Voltage ×1.15						
Capacitance Tolerance	±20% (20°C, 120Hz)						
Leakage Current(MAX)	The value is shown in "STANDARD SIZE" table (After 2 minutes)						
Dissipation Factor(MAX) (tanδ)	0.12以下 (20°C, 120Hz)						
Endurance	<p>After applying rated voltage for 3000 hours at 125°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 150% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>	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.
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)	<p>After applying rated voltage for 1000 hours at 60°C and humidity of 90 to 95%, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 150% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>	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.
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)	$Z(-55^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.25$ (100kHz) $Z(-25^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.15$						

◆PART NUMBER

□□□	PZC	□□□□□	M	□□□	□□	DXL
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

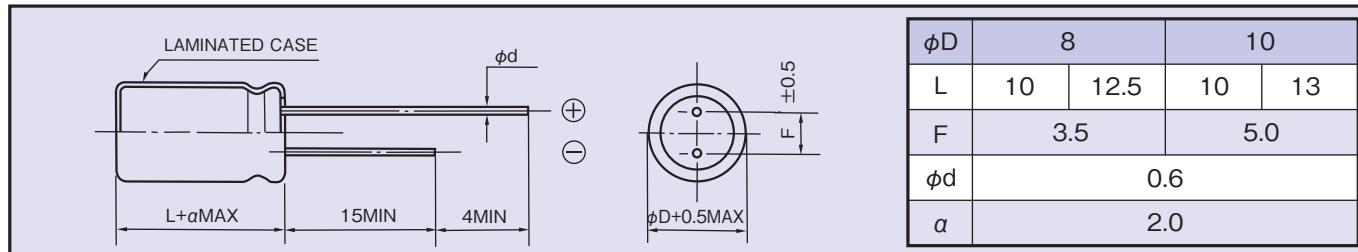
◆MARKING

※Voltage code

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

◆ DIMENSIONS

(mm)


◆ STANDARD SIZE

Rated Voltage (V·DC)	Capacitance (μF)	Size $\phi D \times L$ (mm)	($\tan \delta$) (120Hz, 20°C)	Leakage Current ($\mu A/2min$)	E.S.R. ($m\Omega, max/20^\circ C, 100kHz$)	Rated Ripple Current (mA rms/125°C, 100kHz)
25 (1E)	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 (1V)	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 (1H)	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