

PZC SERIES

Load Life : 125°C 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°C						
Rated Voltage Range	25~50Vdc						
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)						
(tanδ) Dissipation Factor(MAX)	0.12以下 (20°C, 120Hz)						
Endurance	After applying rated voltage for 3000 hours at 125°C, the capacitors shall meet the following requirements. <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)	After applying rated voltage for 1000 hours at 60°C and humidity of 90 to 95%, the capacitors shall meet the following requirements. <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.
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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) $Z(-25^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.15$						

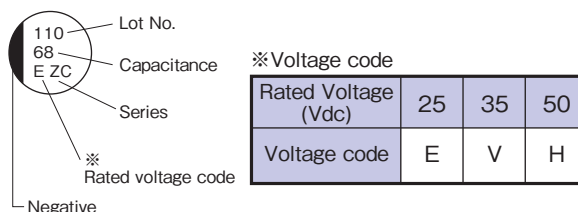
◆PART NUMBER

□□□ PZC □□□□□ M □□□ □□ DXL
 Rated Voltage Series Capacitance Capacitance Tolerance Option Lead Forming Case Size

◆MULTIPLIER FOR RIPPLE CURRENT

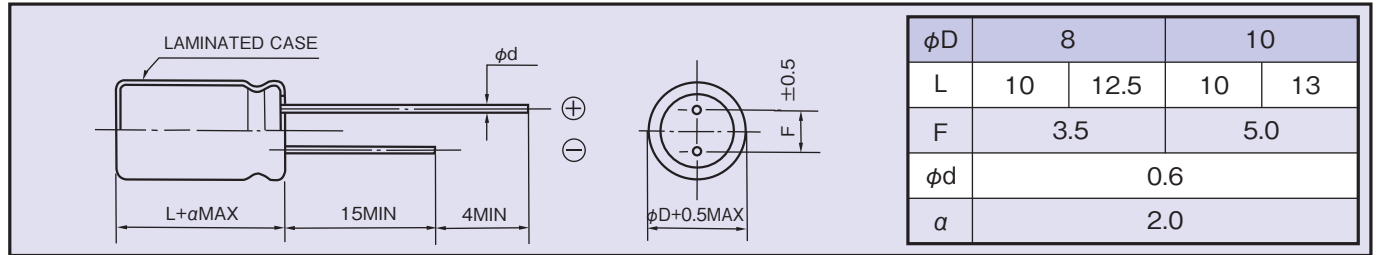
Frequency (Hz)	120	1k	10k	100k≤
Coefficient	0.05	0.30	0.70	1.00

◆MARKING



◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	($\tan \delta$) (120Hz, 20°C)	Leakage Current ($\mu\text{A}/2\text{min}$)	E.S.R. ($\text{m}\Omega, \text{max}/20^\circ\text{C}, 100\text{kHz}$)	Rated Ripple Current ($\text{mA}_{\text{rms}}/100\text{kHz}$)
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