

PZE SERIES
Load Life : 105°C 10000 hours (Hybrid Type), Radial Lead Type

- High Voltage(∼63Vdc), Ultra Low ESR, High Ripple Current, Miniaturized.
- AEC-Q200.

 RoHS
compliance

◆SPECIFICATIONS

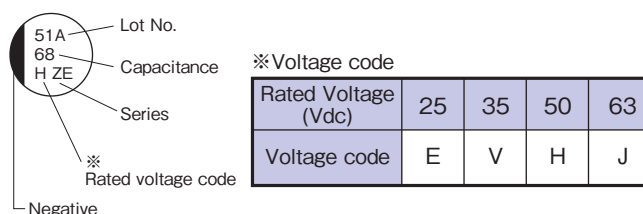
Items	Characteristics								
Category Temperature Range	−55∼+105°C								
Rated Voltage Range	25∼63Vdc								
Capacitance Tolerance	±20% (20°C, 120Hz)								
Leakage Current(MAX)	The value is shown in "STANDARD SIZE" table (After 2 minutes)								
Dissipation Factor(MAX) (tanδ)	The value is shown in "STANDARD SIZE" table (20°C, 120Hz)								
Endurance	After applying rated voltage with rated ripple current for 10000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td><td>Within ±30% of the initial value.</td></tr> <tr> <td>Dissipation Factor</td><td>Not more than 200% of the initial specified value.</td></tr> <tr> <td>E.S.R.</td><td>Not more than 200% of the initial specified value.</td></tr> <tr> <td>Leakage Current</td><td>Not more than the initial specified value.</td></tr> </table>	Capacitance Change	Within ±30% of the initial value.	Dissipation Factor	Not more than 200% of the initial specified value.	E.S.R.	Not more than 200% of the initial specified value.	Leakage Current	Not more than the initial specified value.
Capacitance Change	Within ±30% of the initial value.								
Dissipation Factor	Not more than 200% of the initial specified value.								
E.S.R.	Not more than 200% of the initial specified value.								
Leakage Current	Not more than the initial specified value.								
Biased Humidity	After applying rated voltage for 2000 hours at 85°C and humidity of 85%, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td><td>Within ±30% of the initial value.</td></tr> <tr> <td>Dissipation Factor</td><td>Not more than 200% of the initial specified value.</td></tr> <tr> <td>E.S.R.</td><td>Not more than 200% of the initial specified value.</td></tr> <tr> <td>Leakage Current</td><td>Not more than the initial specified value.</td></tr> </table>	Capacitance Change	Within ±30% of the initial value.	Dissipation Factor	Not more than 200% of the initial specified value.	E.S.R.	Not more than 200% of the initial specified value.	Leakage Current	Not more than the initial specified value.
Capacitance Change	Within ±30% of the initial value.								
Dissipation Factor	Not more than 200% of the initial specified value.								
E.S.R.	Not more than 200% of the initial specified value.								
Leakage Current	Not more than the initial specified value.								
Low Temperature Characteristics Impedance Ratio(MAX)	$Z(-55^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 2.0$ (100kHz) $Z(-25^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.5$								

◆PART NUMBER

Rated Voltage	PZE Series	Capacitance	M Capacitance Tolerance	Option	Lead Forming	DxL Case Size

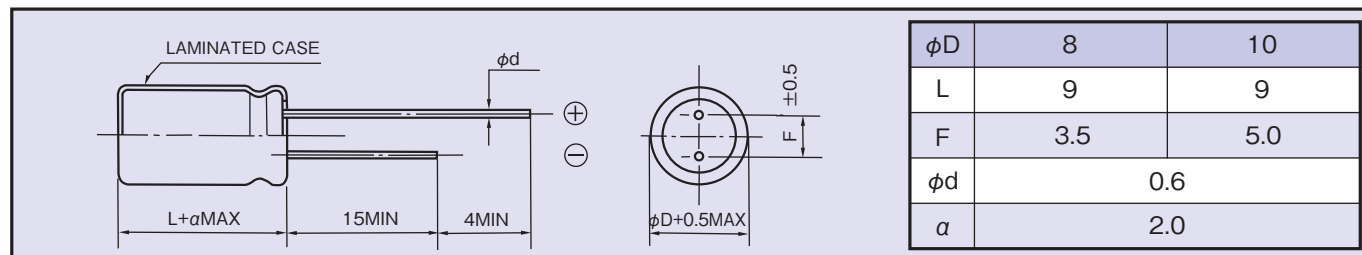
◆MULTIPLIER FOR RIPPLE CURRENT

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 δ) (120Hz, 20°C)	Leakage Current ($\mu\text{A}/2\text{min}$)	E.S.R.(m Ω ,max)		Rated Ripple Current (mA r.m.s./105°C, 100kHz)
					20°C, 100kHz	-40°C, 10kHz	
25	220	8×9	0.14	55.0	27	41	2300
	330	10×9	0.14	82.5	20	30	2500
35	150	8×9	0.12	52.5	27	41	2300
	270	10×9	0.12	94.5	20	30	2500
50	68	8×9	0.10	34.0	30	45	1800
	100	10×9	0.10	50.0	28	42	2000
63	33	8×9	0.08	20.8	40	60	1700
	56	10×9	0.08	35.3	30	45	1800