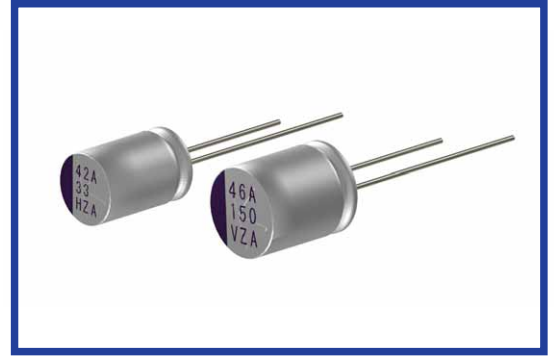


PZA SERIES
Load Life : 105°C 3000 hours, Radial Lead Type

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


◆SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-55~+105°C						
Rated Voltage Range	25~63Vdc						
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)	Not more than 0.12 (20°C, 120Hz)						
Endurance	After applying rated voltage for 3000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1" style="width: 100%; border-collapse: collapse;"> <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" style="width: 100%; border-collapse: collapse;"> <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

□□□ / **PZA** / □□□□□ / **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

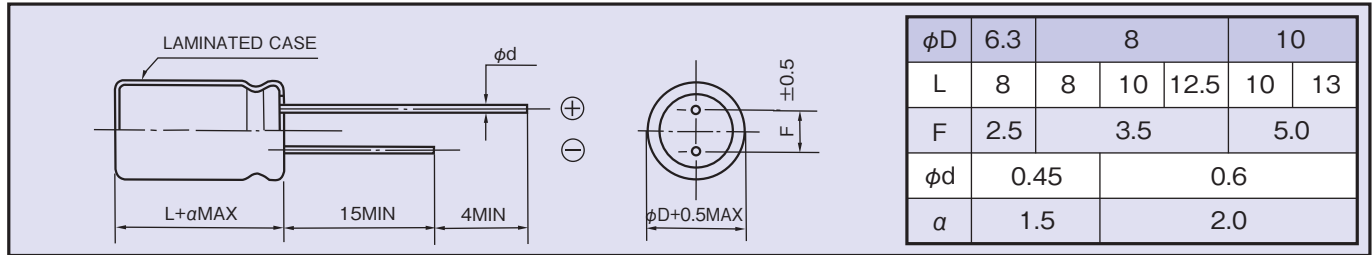
110 — Lot No.
 22 — Capacitance
 V ZA — Series
 ※ Rated voltage code
 Negative

※Voltage code

Rated Voltage (Vdc)	25	35	50	63
Voltage code	E	V	H	J

◆ DIMENSIONS

(mm)


◆ STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	$(\tan \delta)$ (120Hz, 20°C)	Leakage Current ($\mu A/2min$)	E.S.R. (m Ω , max)		Rated Ripple Current (mA r.m.s./100kHz)
					20°C, 100kHz	-40°C, 10kHz	
25	27	6.3×8	0.12	135	55	83	1000
	47	8×8	0.12	235	45	68	1300
	100	8×10	0.12	500	29	44	2000
	120	8×12.5	0.12	600	27	41	2400
	180	10×10	0.12	900	27	41	2400
	220	10×13	0.12	1100	26	39	2800
35	22	6.3×8	0.12	154	64	96	900
	33	8×8	0.12	231	55	83	1200
	56	8×10	0.12	392	29	44	1900
	82	8×12.5	0.12	574	27	41	2300
	100	10×10	0.12	700	27	41	2400
	150	10×13	0.12	1050	26	39	2700
50	12	6.3×8	0.12	120	81	122	800
	18	8×8	0.12	180	63	95	1100
	33	8×10	0.12	330	32	48	1900
	39	8×12.5	0.12	390	29	44	2200
	56	10×10	0.12	560	29	44	2300
	68	10×13	0.12	680	28	42	2600
63	10	8×8	0.12	126	75	113	1000
	22	8×10	0.12	277	35	53	1800
	27	8×12.5	0.12	340	33	50	2100
	33	10×10	0.12	416	31	47	2200
	47	10×13	0.12	592	29	44	2600