



CONDUCTIVE POLYMER ALUMINUM SOLID ELECTROLYTIC CAPACITORS

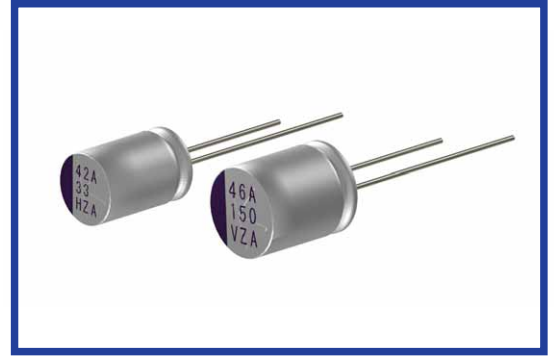
PZA

**PZA SERIES**

Previous 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.	
	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.	
	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)	
	$Z(-25^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.15$	

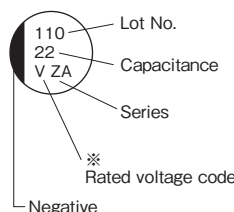
**◆PART NUMBER**



**◆MULTIPLIER FOR RIPPLE CURRENT**

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

**◆MARKING**

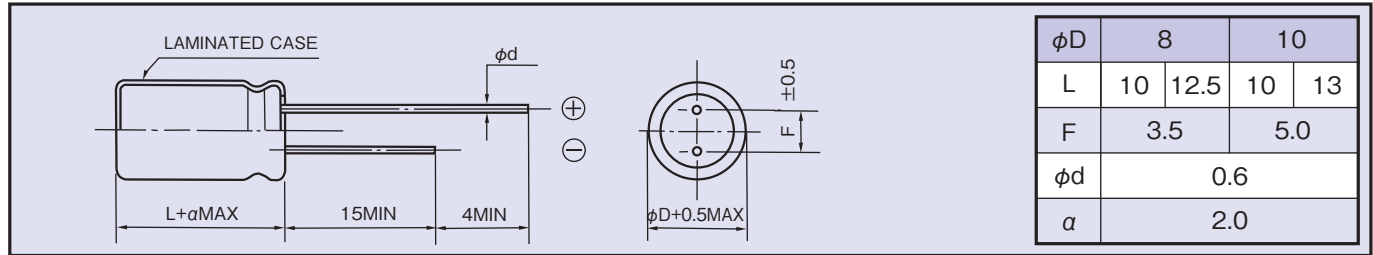


※Voltage code

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

**◆ DIMENSIONS**

(mm)


**◆ STANDARD SIZE**

Rated Voltage (Vdc)	Capacitance ( $\mu F$ )	Size $\phi D \times L$ (mm)	$(\tan \delta)$ (120Hz, 20°C)	Leakage Current ( $\mu A/2min$ )	E.S.R. (m $\Omega$ , max)		Rated Ripple Current (mA r.m.s./100kHz)
					20°C, 100kHz	-40°C, 10kHz	
25	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	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	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	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