



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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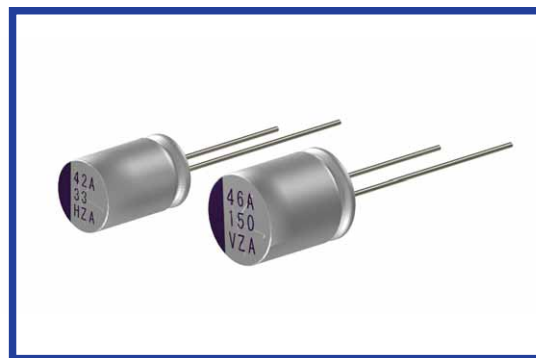
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PZA SERIES
Load Life : 105°C 3000 hours, Radial Lead Type

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


◆SPECIFICATIONS

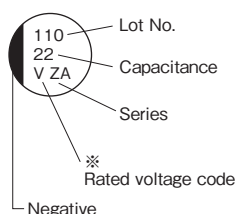
Items	Characteristics						
Category Temperature Range	-55~+105°C						
Rated Voltage Range	25~63Vdc						
Surge Voltage	Rated Voltage ×1.15						
Capacitance Tolerance	±20% (20°C, 120Hz)						
Leakage Current(MAX)	The value is shown in "STANDARD SIZE" table (After 2 minutes)						
Dissipation Factor(MAX) (tanδ)	Not more than 0.12 (20°C, 120Hz)						
Endurance	<p>After applying rated voltage for 3000 hours at 105°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

□□□ / **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

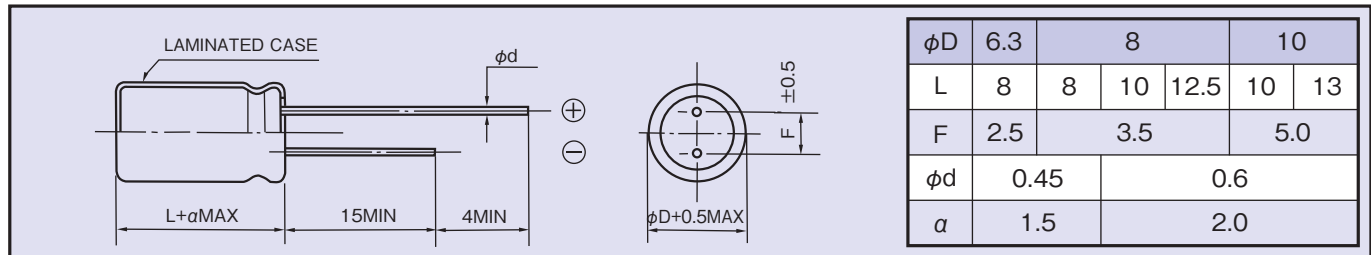
◆MARKING


※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