



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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.


◆SPECIFICATIONS

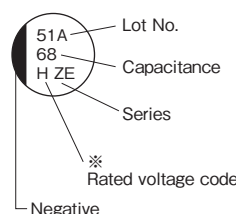
| Items | Characteristics | | | | | | | | |
|--|---|--|-----------------------------------|--------------------|--|--------|--|-----------------|--|
| Category Temperature Range | -55~+105°C | | | | | | | | |
| Rated Voltage Range | 25~63Vdc | | | | | | | | |
| Capacitance Tolerance | ±20% (20°C, 120Hz) | | | | | | | | |
| 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

PZE 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 |

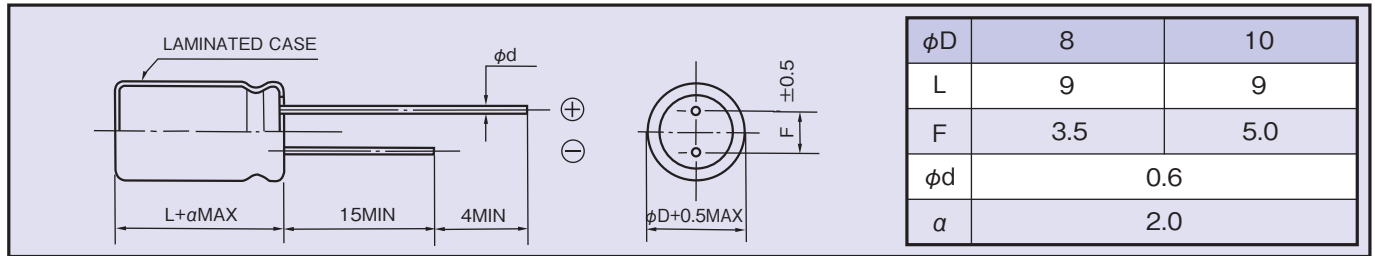
◆MARKING


※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./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 |