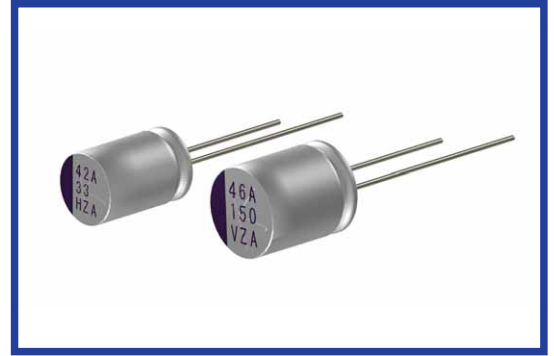


PZA シリーズ  
SERIES

リード線端子形 105°C 3000時間品  
Load Life : 105°C 3000 hours, Radial Lead Type

- ・高耐圧(～63Vdc)、超低ESR、高リップル品。  
High Voltage(～63Vdc), Ultra Low ESR, High Ripple Current.
- ・AEC-Q200対応可。  
AEC-Q200.



◆規格表 / SPECIFICATIONS

| 項目 Items  | 特 性 Characteristics  |   |   |                              |  |                         |   |
|---|--|---|---|------------------------------|--|-------------------------|---|
| カテゴリ温度範囲<br>Category Temperature Range  | -55～+105°C   |   |   |                              |  |                         |   |
| 定格電圧範囲<br>Rated Voltage Range   | 25～63Vdc   |   |   |                              |  |                         |   |
| サージ電圧<br>Surge Voltage  | 定格電圧×1.15<br>Rated Voltage ×1.15   |   |   |                              |  |                         |   |
| 静電容量許容差<br>Capacitance Tolerance  | ±20%(20°C,120Hz)   |   |   |                              |  |                         |   |
| 漏れ電流<br>Leakage Current(MAX)  | 標準品一覧表の値以下(定格電圧2分印加後)<br>The value is shown in "STANDARD SIZE" table (After 2 minutes)   |   |   |                              |  |                         |   |
| 損失角の正接(tanδ)<br>Dissipation Factor(MAX)                                       | 0.12以下(20°C,120Hz)   |   |   |                              |  |                         |   |
| 耐久 性<br>Endurance   | 105°C中で3000時間定格電圧印加後、下記事項を満足すること。<br>After applying rated voltage for 3000 hours at 105°C, the capacitors shall meet the following requirements.   |   |   |                              |  |                         |   |
|   | <table border="1"> <tr> <td>静電容量変化率<br/>Capacitance Change</td> <td>初期値の±20%以内<br/>Within ±20% of the initial value.</td> </tr> <tr> <td>損失角の正接<br/>Dissipation Factor</td> <td>規格値の150%以下<br/>Not more than 150% of the specified value.</td> </tr> <tr> <td>漏れ電流<br/>Leakage Current</td> <td>規格値以下<br/>Not more than the specified value.</td> </tr> </table> | 静電容量変化率<br>Capacitance Change                   | 初期値の±20%以内<br>Within ±20% of the initial value. | 損失角の正接<br>Dissipation Factor | 規格値の150%以下<br>Not more than 150% of the specified value. | 漏れ電流<br>Leakage Current | 規格値以下<br>Not more than the specified value. |
|   | 静電容量変化率<br>Capacitance Change  | 初期値の±20%以内<br>Within ±20% of the initial value. |   |                              |  |                         |   |
| 損失角の正接<br>Dissipation Factor  | 規格値の150%以下<br>Not more than 150% of the specified value.   |   |   |                              |  |                         |   |
| 漏れ電流<br>Leakage Current   | 規格値以下<br>Not more than the specified value.  |   |   |                              |  |                         |   |
|   |  |   |   |                              |  |                         |   |
| 高温高湿(定常)<br>Damp heat(Stady state)  | 60°C、90～95%RH中で1000時間定格電圧印加後、下記項目を満足すること。<br>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"> <tr> <td>静電容量変化率<br/>Capacitance Change</td> <td>初期値の±20%以内<br/>Within ±20% of the initial value.</td> </tr> <tr> <td>損失角の正接<br/>Dissipation Factor</td> <td>規格値の150%以下<br/>Not more than 150% of the specified value.</td> </tr> <tr> <td>漏れ電流<br/>Leakage Current</td> <td>規格値以下<br/>Not more than the specified value.</td> </tr> </table> | 静電容量変化率<br>Capacitance Change                   | 初期値の±20%以内<br>Within ±20% of the initial value. | 損失角の正接<br>Dissipation Factor | 規格値の150%以下<br>Not more than 150% of the specified value. | 漏れ電流<br>Leakage Current | 規格値以下<br>Not more than the specified value. |
|   | 静電容量変化率<br>Capacitance Change  | 初期値の±20%以内<br>Within ±20% of the initial value. |   |                              |  |                         |   |
| 損失角の正接<br>Dissipation Factor  | 規格値の150%以下<br>Not more than 150% of the specified value.   |   |   |                              |  |                         |   |
| 漏れ電流<br>Leakage Current   | 規格値以下<br>Not more than the specified value.  |   |   |                              |  |                         |   |
|   |  |   |   |                              |  |                         |   |
| 低温特性<br>Low Temperature Characteristics<br>(インピーダンス比)<br>Impedance Ratio(MAX) | $Z(-55^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.25$ (100kHz)<br>$Z(-25^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.15$  |   |   |                              |  |                         |   |

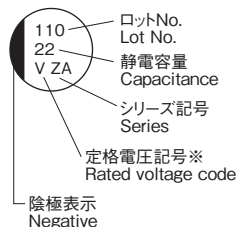
◆呼称方法 / PART NUMBER

|                       |                 |                     |                                  |               |                         |                     |
|-----------------------|-----------------|---------------------|----------------------------------|---------------|-------------------------|---------------------|
| □□□                   | PZA             | □□□□□               | M                                | □□□           | □□                      | D×L                 |
| 定格電圧<br>Rated Voltage | シリーズ名<br>Series | 静電容量<br>Capacitance | 静電容量許容差<br>Capacitance Tolerance | 副記号<br>Option | リード加工記号<br>Lead Forming | ケースサイズ<br>Case Size |

◆リップル電流補正係数 /  
MULTIPLIER FOR RIPPLE CURRENT

| 周波数(Hz)<br>Frequency | 120  | 1k   | 10k  | 100k≤ |
|----------------------|------|------|------|-------|
| 係数<br>Coefficient    | 0.05 | 0.30 | 0.70 | 1.00  |

◆表示 / MARKING



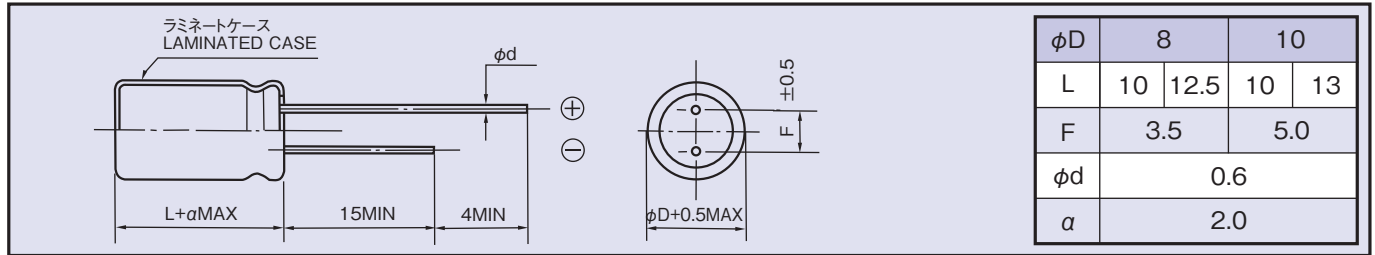
※電圧記号 Voltage code

|                            |    |    |    |    |
|----------------------------|----|----|----|----|
| 定格電圧(Vdc)<br>Rated Voltage | 25 | 35 | 50 | 63 |
| 電圧記号<br>Voltage code       | E  | V  | H  | J  |

陰極表示  
Negative

◆寸法図 / DIMENSIONS

(mm)



◆標準品一覧表 / STANDARD SIZE

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>( $\mu F$ ) | 外形寸法<br>Size<br>$\phi D \times L$ (mm) | 損失角の正接<br>( $\tan \delta$ )<br>(120Hz, 20°C) | 漏れ電流<br>Leakage Current<br>( $\mu A / 2min$ ) | 等価直列抵抗<br>E.S.R. (m $\Omega$ , max) |              | 定格リップル電流<br>Rated Ripple Current<br>(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   |