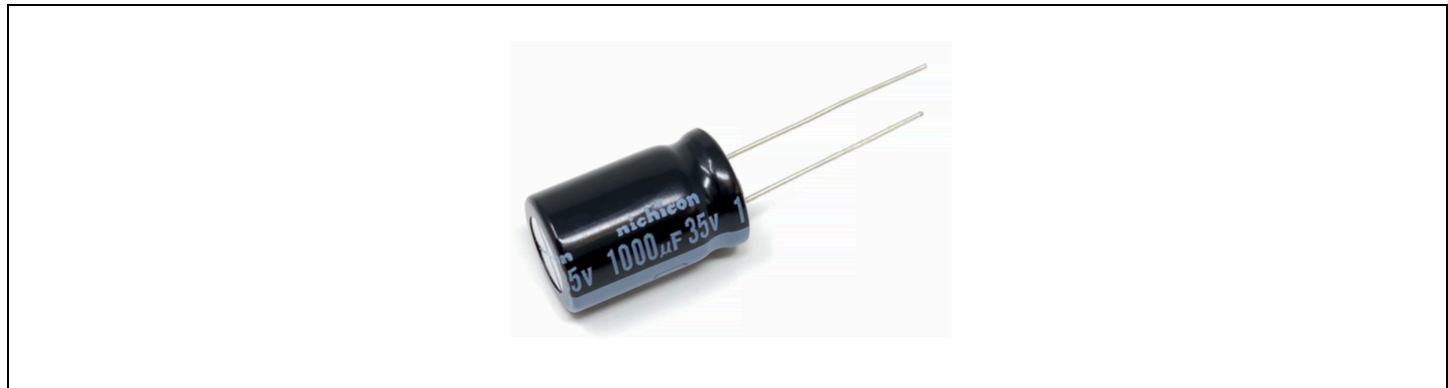


## PRODUCT SPECIFICATION

|                    |   |                 |   |
|--------------------|---|-----------------|---|
| <b>Catalog No.</b> | 2721032   | <b>Revision</b> | R |
| <b>Description</b> | 1000 $\mu$ F 35V Radial-Lead Electrolytic Capacitor |                 |   |



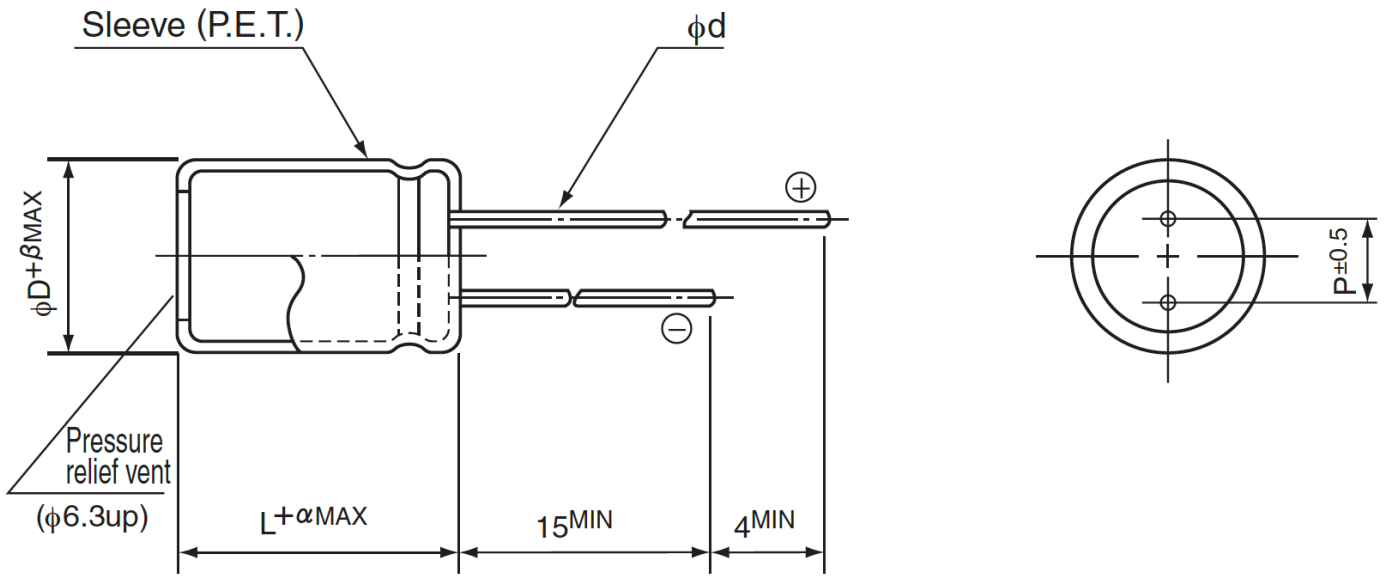
|                              |                               |
|------------------------------|-------------------------------|
| <b>Capacitance</b>           | 1000 $\mu$ F                  |
| <b>Voltage Rating</b>        | 35V $_{DC}$                   |
| <b>Capacitance Tolerance</b> | $\pm 20\%$ @ 120Hz, 20°C      |
| <b>Capacitor Type</b>        | Aluminum Electrolytic         |
| <b>Diameter</b>              | 12.5mm (0.49")                |
| <b>Lead Spacing</b>          | 5mm (0.20")                   |
| <b>Lead Configuration</b>    | Radial                        |
| <b>Operating Temperature</b> | -40°C to 85°C (-40° to 185°F) |
| <b>Lifetime</b>              | 2,000 hrs. @ 85°C             |

|                          |          |
|--------------------------|----------|
| <b>Country of Origin</b> | Malaysia |
|--------------------------|----------|

|  |   |      |
|--|---|------|
| <b>Rated Ripple Current</b>                          | 1150 mArms @ 120Hz, 85°C  |      |
| <b>Frequency Coefficient of Rated Ripple Current</b> | 50Hz  | 0.85 |
|  | 120Hz   | 1.00 |
|  | 300Hz   | 1.10 |
|  | 1kHz  | 1.13 |
|  | 10kHz or More   | 1.15 |
| <b>Leakage Current</b>                               | <p>After 1 minute's application of rated voltage at 20°C, leakage current is not more than 0.03CV or 4 (<math>\mu</math>A), whichever is greater.</p> <p>After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (<math>\mu</math>A), whichever is greater.</p> |      |

|  |  |                    |  |               |   |                 |   |
|--|--|--------------------|--|---------------|---|-----------------|---|
| <b>Tangent of Loss Angle (Tan <math>\delta</math>)</b> | 0.14 Max.  |                    |  |               |   |                 |   |
| <b>Stability at Low Temp.</b>                          | <p>Impedance Ratio: <math>Z_T / Z_{20}</math> (Max.)<br/> Measurement Frequency: 120Hz</p> <p><math>Z_{-25^\circ\text{C}} / Z_{+20^\circ\text{C}}</math>: 2<br/> <math>Z_{-40^\circ\text{C}} / Z_{+20^\circ\text{C}}</math>: 4</p>   |                    |  |               |   |                 |   |
| <b>Endurance</b>                                       | <p>The specifications listed below shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 85°C.</p> <table border="1"> <tr> <td>Capacitance change</td> <td>Within <math>\pm 20\%</math> of the initial capacitance value</td> </tr> <tr> <td><math>\tan \delta</math></td> <td>200% or less than the initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>Less than or equal to the initial specified value</td> </tr> </table> | Capacitance change | Within $\pm 20\%$ of the initial capacitance value | $\tan \delta$ | 200% or less than the initial specified value | Leakage current | Less than or equal to the initial specified value |
| Capacitance change                                     | Within $\pm 20\%$ of the initial capacitance value   |                    |  |               |   |                 |   |
| $\tan \delta$  | 200% or less than the initial specified value  |                    |  |               |   |                 |   |
| Leakage current  | Less than or equal to the initial specified value  |                    |  |               |   |                 |   |
| <b>Shelf Life</b>                                      | <p>After storing the capacitors under no load at 85°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.</p>  |                    |  |               |   |                 |   |
| <b>Marking</b>   | Printed with white color letter on black sleeve.   |                    |  |               |   |                 |   |

# Dimensions



| Units: mm |      |
|-----------|------|
| L         | 20   |
| $\phi D$  | 12.5 |
| P         | 5.0  |
| $\phi d$  | 0.6  |
| $\beta$   | 0.5  |
| $\alpha$  | 2.0  |