

Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

Specifications

| Item | Performance | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------------|---------------|-----------------|-------------------------------------|----------------------------------|------------------------------|---------------------------|---|------------|---|-------------|------|------|------|------|------|------|------|------|------|
| Category temperature range (°C) | -55 to +105 | | | | | | | | | | | | | | | | | | | | |
| Tolerance at rated capacitance (%) | ±20 (20°C, 120Hz) | | | | | | | | | | | | | | | | | | | | |
| Leakage current (μA) (max.) | 6.3V to 80V : 0.01CV or 3 whichever is larger (after 2 minutes) 100V : 0.05CV or 15 whichever is larger (after 2 minutes), : Rated capacitance (μF) ; V : Rated voltage (V) (20°C) | | | | | | | | | | | | | | | | | | | | |
| Tangent of loss angle (tanδ) | <table border="1"> <thead> <tr> <th>Rated voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>80</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>tanδ (max.)</td> <td>0.20</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> <td>0.08</td> <td>0.08</td> </tr> </tbody> </table> (20°C, 120Hz) | Rated voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | tanδ (max.) | 0.20 | 0.18 | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.08 | 0.08 |
| Rated voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | | | | | | | | | | | | |
| tanδ (max.) | 0.20 | 0.18 | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.08 | 0.08 | | | | | | | | | | | | |
| Characteristics at high and low temperature | <table border="1"> <thead> <tr> <th>Impedance ratio (max.)</th> <th>Z-25°C/Z+20°C</th> <th>1.5</th> </tr> </thead> <tbody> <tr> <td></td> <th>Z-55°C/Z+20°C</th> <td>2.0</td> </tr> </tbody> </table> (100kHz) | Impedance ratio (max.) | Z-25°C/Z+20°C | 1.5 | | Z-55°C/Z+20°C | 2.0 | | | | | | | | | | | | | | |
| Impedance ratio (max.) | Z-25°C/Z+20°C | 1.5 | | | | | | | | | | | | | | | | | | | |
| | Z-55°C/Z+20°C | 2.0 | | | | | | | | | | | | | | | | | | | |
| Endurance (105°C) (Applied ripple current) | <table border="1"> <tbody> <tr> <td>Test time</td> <td>10000 hours</td> </tr> <tr> <td>Leakage current</td> <td>The initial specified value or less</td> </tr> <tr> <td>Percentage of capacitance change</td> <td>Within ±30% of initial value</td> </tr> <tr> <td>Tangent of the loss angle</td> <td>200% or less of the initial specified value</td> </tr> <tr> <td>ESR change</td> <td>200% or less of the initial specified value</td> </tr> </tbody> </table> | Test time | 10000 hours | Leakage current | The initial specified value or less | Percentage of capacitance change | Within ±30% of initial value | Tangent of the loss angle | 200% or less of the initial specified value | ESR change | 200% or less of the initial specified value | | | | | | | | | | |
| Test time | 10000 hours | | | | | | | | | | | | | | | | | | | | |
| Leakage current | The initial specified value or less | | | | | | | | | | | | | | | | | | | | |
| Percentage of capacitance change | Within ±30% of initial value | | | | | | | | | | | | | | | | | | | | |
| Tangent of the loss angle | 200% or less of the initial specified value | | | | | | | | | | | | | | | | | | | | |
| ESR change | 200% or less of the initial specified value | | | | | | | | | | | | | | | | | | | | |
| Shelf life (105°C) | Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1. | | | | | | | | | | | | | | | | | | | | |

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.