105°C 2000
105°C Height 200 hours Wide temperature

Suitable for use in electronic complete sets of wide temperature.

Specifications

<table>
<tr><th>Item</th><th>Characteristics</th></tr>
<tr><td>Rated voltage range</td><td>6.3 to 100V DC</td></tr>
<tr><td>Operating temperature range</td><td>−40 to +105°C</td></tr>
<tr><td>Capacitance tolerance</td><td>±20% (M) (20°C, 100/120Hz)</td></tr>
<tr><td>Leakage current</td><td>$i \le 0.01C_RU_R$ or 3(μA), (20°C)
Whichever is greater after 2 minutes,
C_R: Nominal capacitance (μF)
U_R: Rated voltage (V) at 20°C</td></tr>
<tr><td>tan δ
Dissipation factor
(20°C, 100/120Hz)</td><td>
<table>
<tr><td>U_R(V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr>
<tr><td>tan δ</td><td>0.22</td><td>0.18</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.09</td><td>0.08</td><td>0.10</td><td>0.10</td><td>0.10</td><td>0.15</td><td>0.15</td><td>0.15</td></tr>
</table>
Add 0.02 per 1000μF for more than 1000μF
</td></tr>
<tr><td>Low temperature characteristics</td><td>Impedance ratio at 100Hz or 120Hz shall not exceed the values given in the table below:
<table>
<tr><td>U_R(V)</td><td>6.3</td><td>10 to 16</td><td>25 to 100</td><td>160</td><td>200 to 450</td></tr>
<tr><td>$Z_{-40°C}/Z_{+20°C}$</td><td>7</td><td>5</td><td>4</td><td>5</td><td>7</td></tr>
</table>
Add 1 per 1000μF for more than 1000μF
</td></tr>
<tr><td>Shelf life</td><td>After storage for 1000 hours at 105°C, the capacitors shall meet the following requirements:
<table>
<tr><td>Capacitance change</td><td>Within ±20% of the initial value</td></tr>
<tr><td>tan δ – Dissipation factor</td><td>Not more than 120% of the specified value</td></tr>
<tr><td>Leakage current</td><td>Not more than 200% of the specified value</td></tr>
</table>
</td></tr>
<tr><td>Load life</td><td>After application of rated voltage with rated ripple current for 2000h at +105°C, the capacitors shall meet the following requirements:
<table>
<tr><td>Capacitance change</td><td>Within ±20% of the initial value</td></tr>
<tr><td>tan δ – Dissipation factor</td><td>Not more than 150% of the specified value</td></tr>
<tr><td>Leakage current</td><td>Not more than specified value</td></tr>
</table>
</td></tr>
<tr><td>Others</td><td>GB/T5993-2003</td></tr>
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