Conductive Polymer Hybrid Aluminum Electrolytic Capacitors HV1,HT1 series

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

Specifications

<table>
<tr><th>Item</th><th>Performance</th></tr>
<tr><td>Category temperature range (℃)</td><td>−55 to +105</td></tr>
<tr><td>Tolerance at rated capacitance (%)</td><td>±20 (20℃, 120Hz)</td></tr>
<tr><td>Leakage current (μA) (max.)</td><td>0.01CV or 3 whichever is larger (after 2 minutes)
C : Rated capacitance (μF) ; V : Rated voltage (V)
(20℃)</td></tr>
<tr><td>Tangent of loss angle (tanδ)</td><td>
<table>
<tr><td>Rated voltage (V)</td><td>25</td><td>35</td><td>50</td><td>63</td><td>80</td></tr>
<tr><td>tanδ (max.)</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.08</td><td>0.08</td></tr>
</table>
(20℃, 120Hz)
</td></tr>
<tr><td>Characteristics at high and low temperature</td><td>
Impedance ratio (max.)
<table>
<tr><td>Z−25℃/Z+20℃</td><td>1.5</td></tr>
<tr><td>Z−55℃/Z+20℃</td><td>2.0</td></tr>
</table>
(100kHz)
</td></tr>
<tr><td>Endurance (105℃) (Applied ripple current)</td><td>
<table>
<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>
</table>
</td></tr>
<tr><td>Shelf life (105℃)</td><td>Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1.</td></tr>
</table>

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.