

Conductive Polymer Hybrid Aluminum Electrolytic Capacitors HVK,HTK series

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 +125																				
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)																				
Leakage current (μA) (max.)	0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20°C)																				
Tangent of loss angle (tanδ)	<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°C, 120Hz)						Rated voltage (V)	25	35	50	63	80	tanδ (max.)	0.14	0.12	0.10	0.08	0.08			
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Characteristics at high and low temperature	Impedance ratio (max.)	<table><tr><td>Z-25°C/Z+20°C</td><td>1.5</td></tr><tr><td>Z-55°C/Z+20°C</td><td>2.0</td></tr></table> (100kHz)				Z-25°C/Z+20°C	1.5	Z-55°C/Z+20°C	2.0												
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Endurance (125°C) (Applied ripple current)	<table><tr><td>Test time</td><td>4000 hours</td><td>6000 hours (25V~63V : φ6.3 or more)</td></tr><tr><td>Leakage current</td><td>The initial specified value or less</td><td>The initial specified value or less</td></tr><tr><td>Percentage of capacitance change</td><td>Within ±30% of initial value</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><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><td>200% or less of the initial specified value</td></tr></table>						Test time	4000 hours	6000 hours (25V~63V : φ6.3 or more)	Leakage current	The initial specified value or less	The initial specified value or less	Percentage of capacitance change	Within ±30% of initial value	Within ±30% of initial value	Tangent of the loss angle	200% or less of the initial specified value	200% or less of the initial specified value	ESR change	200% or less of the initial specified value	200% or less of the initial specified value
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Shelf life (125°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1.																				