

Conductive Polymer Hybrid Aluminum Electrolytic Capacitors HVL,HTL 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 (tan δ)	<table><tr><td>Rated voltage (V)</td><td>25</td><td>35</td><td>50</td><td>63</td></tr><tr><td>tan δ (max.)</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.08</td></tr></table> (20°C, 120Hz)					Rated voltage (V)	25	35	50	63	tan δ (max.)	0.14	0.12	0.10	0.08
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Characteristics at high and low temperature	Impedance ratio (max.)	Z-25°C/Z+20°C		1.5											
		Z-55°C/Z+20°C		2.0 (100kHz)											
Endurance (125°C) (Applied ripple current)	Test time		8000 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 (125°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1.														