

Conductive Polymer Hybrid Aluminum Electrolytic Capacitors HVQ,HTQ 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 +150				
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)	Rated voltage (V)	25	35	50	63
	tan δ (max.)	0.14	0.12	0.10	0.08
(20°C, 120Hz)					
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 (150°C) (Applied ripple current)	Test time	1000 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 (150°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1.				