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Conductive Polymer Hybrid Aluminum Electrolytic Capacitors (Standard Type)- Radial Type

Features

- Low profile Low DC Leakage current High reliability.
- 105 5000
  Endurance: 5000 h at 105 .

Specifications

Items	Characteristics
Operating Temperature Range	-55~+105
Rated Voltage Range	10~100V DC
Nominal Capacitance Range	22~2200μF
Nominal Capacitance Tolerance	±20% 20 120Hz
Leakage Current	≤0.05CV(μA) or 80μA ,whichever is greater 20 2 at 20 after 2 minutes C (μF) V (VDC)
tgδ Dissipation Factor (Max)	20 , 120Hz (Vdc) 10~25V 35~100V Tgδ 0.14 0.10
ESR	Reference parameter table (mΩ at 100k~300kHz 20 max)
Characteristics of impedance ratio at high temp. and low temp	100KHZ Z -25 /Z +25 ≤1.5 Based the value at 100KHZ. Z -55 /Z +25 ≤2.0
Load Life	105 5,000 20 The capacitor shall be subjected to application of the D.C. voltage with full rated ripple current at +105 for 5000 hours. After stabilizing at 20 , the capacitor shall not exceed the specified limits. (The sum of DC voltage and ripple peak voltage shall not exceed the rated voltage.)
	Capacitance Change: ±25% Within ±25% of the initial value
	Dissipation Factor: ≤ 200% Not to exceed 200% of the value specified
	Equivalent Series Resistance: ≤ 200% Not to exceed 200% of the value specified
	Leakage Current: ≤ Not to exceed the value specified
Shelf Life Test	105 ±2 1000H 20 After storage for 1000 hours at +105 ±2 with no voltage applied and then being stabilized at +20 the capacitor shall not exceed the specified values listed below.
	Capacitance Change: ±25% Within ±25% of the initial value
	Dissipation Factor: ≤ 200% Not to exceed 200% of the value specified
	Equivalent Series Resistance: ≤ 200% Not to exceed 200% of the value specified
	Leakage Current: ≤ Not to exceed the value specified