

GP

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 C (µF) V 2 at 20 (VDC) after 2 minutes							
tg Dissipation Factor (Max)	20 , 120Hz	<table border="1"> <tr> <td>(Vdc)</td> <td>10- 25V</td> <td>35- 100V</td> </tr> <tr> <td>Tg</td> <td>0.14</td> <td>0.10</td> </tr> </table>	(Vdc)	10- 25V	35- 100V	Tg	0.14	0.10
(Vdc)	10- 25V	35- 100V						
Tg	0.14	0.10						
ESR	Reference parameter table (m at 100k- 300kHz 20 max)							
Characteristics of impedance ratio at high temp. and low temp	100KHZ Based the value at 100KHZ.	<table border="1"> <tr> <td>Z -25</td> <td>/Z +25</td> <td>1.5</td> </tr> <tr> <td>Z -55</td> <td>/Z +25</td> <td>2.0</td> </tr> </table>	Z -25	/Z +25	1.5	Z -55	/Z +25	2.0
Z -25	/Z +25	1.5						
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						



