



SPECIFICATION FOR APPROVAL

Date : 2022/05/26

<i>Conductive Polymer Aluminum Solid Capacitor</i>		GPV Series								
Capacitance : 100 μ F	Tolerance : $\pm 20\%$	Type : Radial								
Voltage : 35 V DC	Part No. : GPV-100M35V6308									
Dimension (mm)										
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Specification :										
1 Operating Temperature Range	: $-55\text{ }^{\circ}\text{C} \sim +105\text{ }^{\circ}\text{C}$									
2 Leakage Current (μ A)	: $I \leq 700\text{ }\mu\text{A}$ (After 2 minutes application of rated.)									
3 Surge Voltage DC	: Rated voltage x 1.15 V									
4 Dissipation Factor (Tan δ)	: 0.12 MAX. ($20\text{ }^{\circ}\text{C}/120\text{Hz}$)									
5 Equivalent series resistance(ESR)	: 28 $\text{m}\Omega$ MAX. ($20\text{ }^{\circ}\text{C}/100\text{KHz}$ to 300KHz)									
6 Max. Permissible ripple current	: 1800 mA/ $105\text{ }^{\circ}\text{C}/100\text{KHz}$									
7 Low Temperature Characteristic (Max Impedance Ratio)	<table border="1"> <tr> <td>$Z(-25\text{ }^{\circ}\text{C})/Z(+20\text{ }^{\circ}\text{C})$</td> <td>$\leq 1.15$</td> </tr> <tr> <td>$Z(+55\text{ }^{\circ}\text{C})/Z(+20\text{ }^{\circ}\text{C})$</td> <td>$\leq 1.25$</td> </tr> </table>		$Z(-25\text{ }^{\circ}\text{C})/Z(+20\text{ }^{\circ}\text{C})$	≤ 1.15	$Z(+55\text{ }^{\circ}\text{C})/Z(+20\text{ }^{\circ}\text{C})$	≤ 1.25				
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8 Load Life Test	: After 2000 hours application of W.V. at $105\text{ }^{\circ}\text{C}$ and the being stabilized at $20\text{ }^{\circ}\text{C}$. The capacitor shall meet with following limits :									
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9 High temperature & High humidity : (Constant)	After storing for 1000 hours at $60\text{ }^{\circ}\text{C}$ 、90~95% R.H.									
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