



SPECIFICATION FOR APPROVAL

Date : 2022/05/26

<i>Conductive Polymer Aluminum Solid Capacitor</i>		GPT Series								
Capacitance : 560 μ F	Tolerance : $\pm 20\%$	Type : Radial								
Voltage : 6.3 V DC	Part No. : GPT-560M6.3V6308									
Dimension (mm)										
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Specification :										
1 Operating Temperature Range	: - 55 $^{\circ}$ C ~ + 105 $^{\circ}$ C									
2 Leakage Current (μ A)	: $I \leq 706 \mu$ A (After 2 minutes application of rated.)									
3 Surge Voltage DC	: Rated voltage x 1.15 V									
4 Dissipation Factor (Tan δ)	: 0.10 MAX. (20 $^{\circ}$ C/120Hz)									
5 Equivalent series resistance(ESR)	: 7 m Ω MAX. (20 $^{\circ}$ C/100KHz to 300KHz)									
6 Max. Permissible ripple current	: 3500 mA/105 $^{\circ}$ C/100KHz									
7 Low Temperature Characteristic (Max Impedance Ratio)	<table border="1"> <tr> <td>Z(-25$^{\circ}$C)/Z(+20$^{\circ}$C)</td> <td>≤ 1.15</td> </tr> <tr> <td>Z(+55$^{\circ}$C)/Z(+20$^{\circ}$C)</td> <td>≤ 1.25</td> </tr> </table>		Z(-25 $^{\circ}$ C)/Z(+20 $^{\circ}$ C)	≤ 1.15	Z(+55 $^{\circ}$ C)/Z(+20 $^{\circ}$ C)	≤ 1.25				
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8 Load Life Test	: After 5000 hours application of W.V. at 105 $^{\circ}$ C and the being stabilized at 20 $^{\circ}$ 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 $^{\circ}$ C 、90~95% R.H.									
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