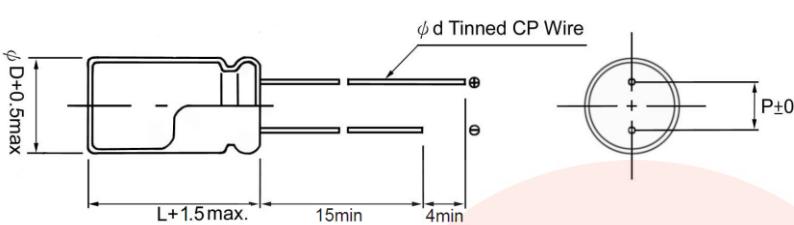


SPECIFICATION FOR APPROVAL

Date : 2022/05/26

<i>Conductive Polymer Aluminum Solid Capacitor</i>		GPT Series								
Capacitance : 560 μF	Tolerance : $\pm 20\%$	Type : Radial								
Voltage : 6.3 V DC	Part No. : GPT-560M6.3V6308									
Dimension (mm)										
	<table border="1"> <tr> <td>φD</td><td>6.3 ± 0.5</td></tr> <tr> <td>P</td><td>2.5 ± 0.5</td></tr> <tr> <td>L</td><td>8 ± 1.5</td></tr> <tr> <td>d</td><td>0.6 ± 0.1</td></tr> </table>	φD	6.3 ± 0.5	P	2.5 ± 0.5	L	8 ± 1.5	d	0.6 ± 0.1	
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d	0.6 ± 0.1									
Specification :										
1 Operating Temperature Range	: - 55 °C ~ + 105 °C									
2 Leakage Current (μA)	: $I \leq 706 \mu\text{A}$ (After 2 minutes application of rated.)									
3 Surge Voltage DC	: Rated voltage $\times 1.15\text{ V}$									
4 Dissipation Factor (Tan δ)	: 0.10 MAX. (20°C/120Hz)									
5 Equivalent series resistance(ESR)	: 7 $\text{m}\Omega$ MAX. (20°C/100KHz to 300KHz)									
6 Max. Permissible ripple current	: 3500 mA/105°C/100KHz									
7 Low Temperature Characteristic (Max Impedance Ratio)	<table border="1"> <tr> <td>$Z(-25^\circ\text{C})/Z(+20^\circ\text{C})$</td><td>$\leq 1.15$</td></tr> <tr> <td>$Z(+55^\circ\text{C})/Z(+20^\circ\text{C})$</td><td>$\leq 1.25$</td></tr> </table>		$Z(-25^\circ\text{C})/Z(+20^\circ\text{C})$	≤ 1.15	$Z(+55^\circ\text{C})/Z(+20^\circ\text{C})$	≤ 1.25				
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8 Load Life Test	: After 5000 hours application of W.V. at 105°C and the being stabilized at 20°C. The capacitor shall meet with following limits : <table border="1"> <tr> <td>Capacitance Change</td><td>$\leq \pm 20\%$ of initial value</td></tr> <tr> <td>Dissipation Factor</td><td>$\leq 150\%$ of specified value</td></tr> <tr> <td>ESR</td><td>$\leq 150\%$ of specified value</td></tr> <tr> <td>Leakage Current</td><td>\leq initial specified value</td></tr> </table>		Capacitance Change	$\leq \pm 20\%$ of initial value	Dissipation Factor	$\leq 150\%$ of specified value	ESR	$\leq 150\%$ of specified value	Leakage Current	\leq initial specified value
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9 High temperature & High humidity : (Constant)	After storing for 1000 hours at 60°C、90~95% R.H. <table border="1"> <tr> <td>Capacitance Change</td><td>$\leq \pm 20\%$ of initial value</td></tr> <tr> <td>Dissipation Factor</td><td>$\leq 150\%$ of specified value</td></tr> <tr> <td>ESR</td><td>$\leq 150\%$ of specified value</td></tr> <tr> <td>Leakage Current</td><td>\leq initial specified value</td></tr> </table>		Capacitance Change	$\leq \pm 20\%$ of initial value	Dissipation Factor	$\leq 150\%$ of specified value	ESR	$\leq 150\%$ of specified value	Leakage Current	\leq initial specified value
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