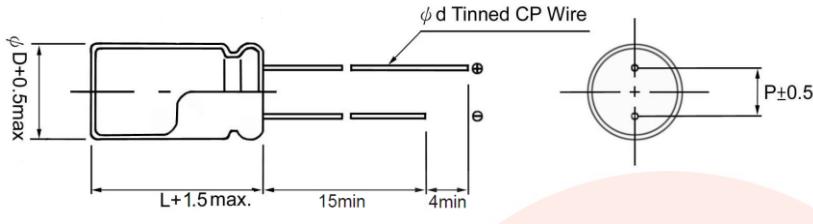


SPECIFICATION FOR APPROVAL

Date : 2022/6/2

<i>Conductive Polymer Aluminum Solid Capacitor</i>		GPH Series								
Capacitance : 100 μ F	Tolerance : $\pm 20\%$	Type : 直立式								
Voltage : 35 V DC	Part No. : GPH-100M35V0812									
Dimension (mm)										
		<table border="1"> <tr> <td>φD</td><td>8 ± 1.5</td></tr> <tr> <td>P</td><td>3.5 ± 0.5</td></tr> <tr> <td>L</td><td>12 ± 1.5</td></tr> <tr> <td>d</td><td>0.6 ± 0.1</td></tr> </table>	φD	8 ± 1.5	P	3.5 ± 0.5	L	12 ± 1.5	d	0.6 ± 0.1
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L	12 ± 1.5									
d	0.6 ± 0.1									
Specification :										
1 Operating Temperature Range	: -55 °C ~ +125 °C									
2 Leakage Current (μ A)	: $I \leq 700 \mu$ A (After 2 minutes application of rated.)									
3 Surge Voltage DC	: Rated voltage $\times 1.15$ V									
4 Dissipation Factor (Tan δ)	: 0.12 MAX. (20°C/120Hz)									
5 Equivalent series resistance(ESR)	: 23 m Ω MAX. (20°C/100KHz to 300KHz)									
6 Max. Permissible ripple current	: 1360 mA/125°C/100KHz (3400mA/105°C/100KHz)									
7 High temperature & Low temperature characteristic	<table border="1"> <tr> <td>Z(-55°C)/Z(+20°C)</td><td>≤ 1.25</td></tr> <tr> <td>Z(+125°C)/Z(+20°C)</td><td>≤ 1.25</td></tr> </table>		Z(-55°C)/Z(+20°C)	≤ 1.25	Z(+125°C)/Z(+20°C)	≤ 1.25				
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8 Load Life Test	: The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 16V~25V 2000 hours, $\geq 35V$ 1500 hours at 125°C. The capacitor shall meet with following limits :									
	<table border="1"> <tr> <td>Capacitance Change</td><td>$\leq \pm 30\%$ of initial value</td></tr> <tr> <td>Dissipation Factor</td><td>$\leq 300\%$ of specified value</td></tr> <tr> <td>ESR</td><td>$\leq 300\%$ of specified value</td></tr> <tr> <td>Leakage Current</td><td>\leq initial specified value</td></tr> </table>		Capacitance Change	$\leq \pm 30\%$ of initial value	Dissipation Factor	$\leq 300\%$ of specified value	ESR	$\leq 300\%$ 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.									
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