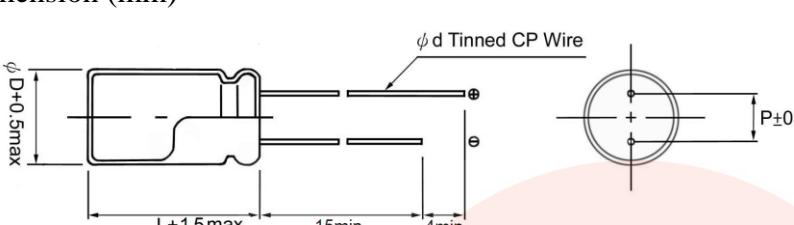


# SPECIFICATION FOR APPROVAL

Date : 2022/7/19

<i>Conductive Polymer Aluminum Solid Capacitor</i>		<b>PS Series</b>								
Capacitance : 1000 $\mu\text{F}$	Tolerance : $\pm 20\%$	Type : Radial								
Voltage : 10 V DC	Part No. : PS-1000M10V1012									
Dimension (mm)										
	<table border="1"> <tr> <td><math>\varphi D</math></td><td><math>10 \pm 0.5</math></td></tr> <tr> <td>P</td><td><math>5.0 \pm 0.5</math></td></tr> <tr> <td>L</td><td><math>12.5 \pm 1.5</math></td></tr> <tr> <td>d</td><td><math>0.6 \pm 0.05</math></td></tr> </table>	$\varphi D$	$10 \pm 0.5$	P	$5.0 \pm 0.5$	L	$12.5 \pm 1.5$	d	$0.6 \pm 0.05$	
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d	$0.6 \pm 0.05$									
<b>Specification :</b>										
1 Operating Temperature Range	: -55 °C ~ +105 °C									
2 Leakage Current ( $\mu\text{A}$ )	: $I \leq 1000 \mu\text{A}$ (After 2 minutes application of rated.)									
3 Surge Voltage DC	: Rated voltage $\times 1.15\text{ V}$									
4 Dissipation Factor (Tan $\delta$ )	: 0.1 MAX. (20°C/120Hz)									
5 Equivalent series resistance(ESR)	: 12 mΩ MAX. (20°C/100KHz to 300KHz)									
6 Max. Permissible ripple current	: 5900 mA/105°C/100KHz									
7 High temperature & Low temperature characteristic	Z(-55°C)/Z(+20°C)	0.75~1.25								
	Z(+105°C)/Z(+20°C)	0.75~1.25								
8 Load Life Test	: After 2000 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><math>\leq \pm 20\%</math> of initial value</td></tr> <tr> <td>Dissipation Factor</td><td><math>\leq 150\%</math> of specified value</td></tr> <tr> <td>ESR</td><td><math>\leq 150\%</math> of specified value</td></tr> <tr> <td>Leakage Current</td><td><math>\leq</math> 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.									
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