



SPECIFICATION FOR APPROVAL

Date : 2022/7/19

<i>Conductive Polymer Aluminum Solid Capacitor</i>		PS Series									
Capacitance : 1000 μ F	Tolerance : $\pm 20 \%$	Type : Radial									
Voltage : 10 V DC	Part No. : PS-1000M10V1012										
Dimension (mm)											
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Specification :											
1 Operating Temperature Range	: $-55^{\circ}\text{C} \sim +105^{\circ}\text{C}$										
2 Leakage Current (μ A)	: $I \leq 1000 \mu\text{A}$ (After 2 minutes application of rated.)										
3 Surge Voltage DC	: Rated voltage x 1.15 V										
4 Dissipation Factor (Tan δ)	: 0.1 MAX. ($20^{\circ}\text{C}/120\text{Hz}$)										
5 Equivalent series resistance(ESR)	: 12 m Ω MAX. ($20^{\circ}\text{C}/100\text{KHz}$ to 300KHz)										
6 Max. Permissible ripple current	: 5900 mA/ $105^{\circ}\text{C}/100\text{KHz}$										
7 High temperature & Low temperature characteristic	<table border="1"> <tr> <td>Z(-55°C)/Z($+20^{\circ}\text{C}$)</td> <td>0.75~1.25</td> </tr> <tr> <td>Z($+105^{\circ}\text{C}$)/Z($+20^{\circ}\text{C}$)</td> <td>0.75~1.25</td> </tr> </table>			Z(-55°C)/Z($+20^{\circ}\text{C}$)	0.75~1.25	Z($+105^{\circ}\text{C}$)/Z($+20^{\circ}\text{C}$)	0.75~1.25				
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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 :										
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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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