

SPECIFICATION FOR APPROVAL

Date : 2022/7/19

<i>Conductive Polymer Aluminum Solid Capacitor</i>		PS Series									
Capacitance : 100 μ F	Tolerance : $\pm 20 \%$	Type : Radial									
Voltage : 16 V DC	Part No. : PX-100M16V6307										
Dimension (mm)											
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Specification :											
1 Operating Temperature Range	: $- 55 \text{ }^{\circ}\text{C} \sim + 105 \text{ }^{\circ}\text{C}$										
2 Leakage Current (μ A)	: $I \leq 300 \mu$ A (After 2 minutes application of rated.)										
3 Surge Voltage DC	: Rated voltage x 1.15 V										
4 Dissipation Factor (Tan δ)	: 0.08 MAX. (20 $^{\circ}$ C/120Hz)										
5 Equivalent series resistance(ESR)	: 20 m Ω MAX. (20 $^{\circ}$ C/100KHz to 300KHz)										
6 Max. Permissible ripple current	: 2690 mA/105 $^{\circ}$ C/100KHz										
7 High temperature & Low temperature characteristic	<table border="1"> <tr> <td>Z(-55$^{\circ}$C)/Z(+20$^{\circ}$C)</td> <td>0.75~1.25</td> </tr> <tr> <td>Z(+105$^{\circ}$C)/Z(+20$^{\circ}$C)</td> <td>0.75~1.25</td> </tr> </table>			Z(-55 $^{\circ}$ C)/Z(+20 $^{\circ}$ C)	0.75~1.25	Z(+105 $^{\circ}$ C)/Z(+20 $^{\circ}$ C)	0.75~1.25				
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8 Load Life Test	: After 2000 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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