

SPECIFICATION FOR APPROVAL

Date : 2022/6/14

Conductive Polymer Aluminum Solid Capacitor		GPL Series									
Capacitance : 6.8 μ F	Tolerance : $\pm 20 \%$	Type : 直立式									
Voltage : 160 V DC	Part No. : GPL-6.8M160V0812										
Dimension (mm)											
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Specification :											
1	Operating Temperature Range	:	- 55 $^{\circ}$ C ~ + 125 $^{\circ}$ C								
2	Leakage Current (μ A)	:	$I \leq 217 \mu$ A (After 2 minutes application of rated.)								
3	Surge Voltage DC	:	Rated voltage x 1.15 V								
4	Dissipation Factor (Tan δ)	:	0.12 MAX. (20 $^{\circ}$ C/120Hz)								
5	Equivalent series resistance(ESR)	:	130 m Ω MAX. (20 $^{\circ}$ C/100KHz to 300KHz)								
6	Max. Permissible ripple current	:	280 mA/125 $^{\circ}$ C/100KHz (720mA/105 $^{\circ}$ C/100KHz)								
7	High temperature & Low temperature characteristic	:	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Z(-55$^{\circ}$C)/Z(+20$^{\circ}$C)</td> <td>≤ 1.25</td> </tr> <tr> <td>Z(+125$^{\circ}$C)/Z(+20$^{\circ}$C)</td> <td>≤ 1.25</td> </tr> </table>	Z(-55 $^{\circ}$ C)/Z(+20 $^{\circ}$ C)	≤ 1.25	Z(+125 $^{\circ}$ C)/Z(+20 $^{\circ}$ C)	≤ 1.25				
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8	Load Life Test	:	The following specifications shall be satisfied when the capacitors are restored to 20 $^{\circ}$ C after the rated voltage is applied for 16V~25V 2000 hours, ≥ 35 V 1500 hours at 125 $^{\circ}$ 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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