

SPECIFICATION FOR APPROVAL

<i>Conductive Polymer Aluminum Solid Capacitor</i>		GPM Series																																								
Capacitance : 330 μ F	Tolerance : $\pm 20\%$	Type : SMD																																								
Voltage : 6.3 V DC	Dimension : 6.3x5.7	Part No. : GPM-330M6.3V6357																																								
Diagram of Dimension & Recommended land pattern (mm)																																										
	<table border="1"> <thead> <tr> <th>ϕ DxL</th> <th>W</th> <th>H</th> <th>C</th> <th>R</th> <th>P</th> </tr> </thead> <tbody> <tr> <td>6.3x5.7</td> <td>6.6</td> <td>6.6</td> <td>7.3</td> <td>0.5 to 0.8</td> <td>2.1</td> </tr> <tr> <td>8x9.7</td> <td>8.3</td> <td>8.3</td> <td>9.0</td> <td>0.8 to 1.1</td> <td>3.2</td> </tr> <tr> <td>10x12.6</td> <td>10.3</td> <td>10.3</td> <td>11.0</td> <td>0.8 to 1.1</td> <td>4.6</td> </tr> </tbody> </table>	ϕ DxL	W	H	C	R	P	6.3x5.7	6.6	6.6	7.3	0.5 to 0.8	2.1	8x9.7	8.3	8.3	9.0	0.8 to 1.1	3.2	10x12.6	10.3	10.3	11.0	0.8 to 1.1	4.6	<table border="1"> <thead> <tr> <th>ϕ DxL</th> <th>a</th> <th>b</th> <th>c</th> </tr> </thead> <tbody> <tr> <td>6.3x5.7</td> <td>2.1</td> <td>3.5</td> <td>1.6</td> </tr> <tr> <td>8x9.7</td> <td>2.8</td> <td>4.1</td> <td>1.9</td> </tr> <tr> <td>10x12.6</td> <td>4.3</td> <td>4.4</td> <td>1.9</td> </tr> </tbody> </table>	ϕ DxL	a	b	c	6.3x5.7	2.1	3.5	1.6	8x9.7	2.8	4.1	1.9	10x12.6	4.3	4.4	1.9
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1 Operating Temperature Range :	- 55 To + 105 $^{\circ}$ C																																									
2 Capacitance Tolerance :	$\pm 20\%$ (20 $^{\circ}$ C, 120Hz)																																									
3 Leakage Current :	$I \leq 300 \mu$ A (after 2 minutes)																																									
4 Surge Voltage DC :	Rated voltage x 1.15 V																																									
5 Dissipation Factor (Tan δ) :	0.10 MAX (20 $^{\circ}$ C, 120Hz)																																									
6 ESR :	17 m Ω MAX. (20 $^{\circ}$ C/100KHz to 300KHz)																																									
7 Ripple Current :	3160 mA (105 $^{\circ}$ C, 100KHz)																																									
8 Temperature characteristic (Impedance ratio at 100 KHz)	<table border="1"> <tbody> <tr> <td>Z(-25$^{\circ}$C)/Z(+20$^{\circ}$C)</td> <td>≤ 1.15</td> </tr> <tr> <td>Z(-55$^{\circ}$C)/Z(+20$^{\circ}$C)</td> <td>≤ 1.25</td> </tr> </tbody> </table>		Z(-25 $^{\circ}$ C)/Z(+20 $^{\circ}$ C)	≤ 1.15	Z(-55 $^{\circ}$ C)/Z(+20 $^{\circ}$ C)	≤ 1.25																																				
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10 Moisture Resistance : The following specifications shall be satisfied when the capacitors are restored to 20 $^{\circ}$ C after subjecting them at 60 $^{\circ}$ C, RH90~95% for 1000 hours.	<table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>$\leq \pm 20\%$ of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>$\leq 150\%$ of specified value</td> </tr> <tr> <td>ESR</td> <td>$\leq 150\%$ of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>\leq initial specified value</td> </tr> </tbody> </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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