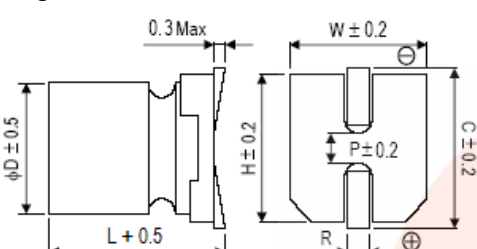



SPECIFICATION FOR APPROVAL

<i>Conductive Polymer Aluminum Solid Capacitor</i>		GMV Series																														
Capacitance : 100 μ F	Tolerance : $\pm 20\%$	Type : SMD																														
Voltage : 25 V DC	Dimension : 6.3 x 4.2	Part No. : GMV-100M25V6342																														
<p>Diagram of Dimension & Recommended land pattern (mm)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;">   <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>ϕDxL</th> <th>W</th> <th>H</th> <th>C</th> <th>R</th> <th>P</th> </tr> </thead> <tbody> <tr> <td>6.3x4.2</td> <td>6.6</td> <td>6.6</td> <td>7.2</td> <td>0.5 to 0.8</td> <td>2.1</td> </tr> <tr> <td>6.3x7.7</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> </tbody> </table> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>ϕDxL</th> <th>a</th> <th>b</th> <th>c</th> </tr> </thead> <tbody> <tr> <td>6.3x4.2</td> <td>2.1</td> <td>3.5</td> <td>1.6</td> </tr> <tr> <td>6.3x7.7</td> <td>2.1</td> <td>3.5</td> <td>1.6</td> </tr> </tbody> </table> </div>			ϕ DxL	W	H	C	R	P	6.3x4.2	6.6	6.6	7.2	0.5 to 0.8	2.1	6.3x7.7	6.6	6.6	7.3	0.5 to 0.8	2.1	ϕ DxL	a	b	c	6.3x4.2	2.1	3.5	1.6	6.3x7.7	2.1	3.5	1.6
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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 500 μ A (after 2 minutes)																															
4 Surge Voltage DC :	Rated voltage x 1.15 V																															
5 Dissipation Factor (Tan δ) :	0.12 MAX (20 $^{\circ}$ C, 120Hz)																															
6 ESR :	42 m Ω MAX. (20 $^{\circ}$ C/100KHz to 300KHz)																															
7 Ripple Current :	1050 mA (105 $^{\circ}$ C, 100KHz)																															
8 Load Life Test : After 1000 hours at 105 $^{\circ}$ C, The capacitor shall meet with following limits :	<table border="1" style="width: 100%; border-collapse: collapse;"> <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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9 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" style="width: 100%; border-collapse: collapse;"> <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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