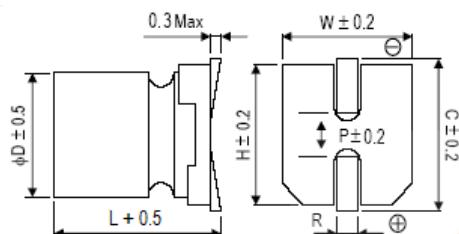


SPECIFICATION FOR APPROVAL

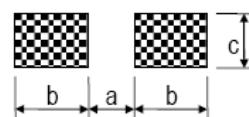
Conductive Polymer Aluminum Solid Capacitor GPC Series

Capacitance : 100 μ F	Tolerance : $\pm 20\%$	Type : SMD
Voltage : 16 V DC	Dimension : 6.3x5.7	Part No. : GPC-100M16V6357

Diagram of Dimension & Recommended land pattern (mm)



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



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

Specification

1 Operating Temperature Range :	- 55 To + 105 °C
2 Capacitance Tolerance :	$\pm 20\%$ (20°C, 120Hz)
3 Leakage Current :	$I \leq 320 \mu A$ (after 2 minutes)
4 Surge Voltage DC :	Rated voltage x 1.15 V
5 Dissipation Factor (Tan δ) :	0.10 MAX (20°C, 120Hz)
6 ESR :	25 mΩ MAX. (20°C/100KHz to 300KHz)
7 Ripple Current :	2490 mA (105°C, 100KHz)
8 Temperature characteristic (Impedance ratio at 100 KHz)	Z(-25°C)/Z(+20°C) ≤ 1.15 Z(-55°C)/Z(+20°C) ≤ 1.25

9 Load Life Test : After 2000 hours at 105°C, The capacitor shall meet with following limits :

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

10 Moisture Resistance : The following specifications shall be satisfied when the capacitors are restored to 20°C after subjecting them at 60°C, RH90~95% for 1000 hours.

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