

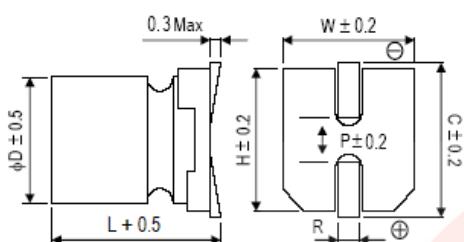
SPECIFICATION FOR APPROVAL

Date : 2022/08/29

Conductive Polymer Aluminum Solid Capacitor GMV Series

Capacitance : 47 μ F	Tolerance : $\pm 20\%$	Type : SMD
Voltage : 35 V DC	Dimension : 6.3 x 6.5	Part No. : GMV-47M35V6365

Diagram of Dimension & Recommended land pattern (mm)



φ DxL	W	H	C	R	P
6.3x6.5	6.6	6.6	7.3	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
6.3x6.5	2.1	3.5	1.6
6.3x7.7	2.1	3.5	1.6

Specification

- 1 Operating Temperature Range : - 55 To + 105 °C
- 2 Capacitance Tolerance : $\pm 20\%$ (20°C, 120Hz)
- 3 Leakage Current : $I \leq 329 \mu A$ (after 2 minutes)
- 4 Surge Voltage DC : Rated voltage x 1.15 V
- 5 Dissipation Factor (Tan δ) : 0.12 MAX (20°C, 120Hz)
- 6 ESR : 50 mΩ MAX. (20°C/100KHz to 300KHz)
- 7 Ripple Current : 1500 mA (105°C, 100KHz)
- 8 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	$\leq 200\%$ of specified value
ESR	$\leq 200\%$ of specified value
Leakage Current	\leq initial specified value

- 9 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