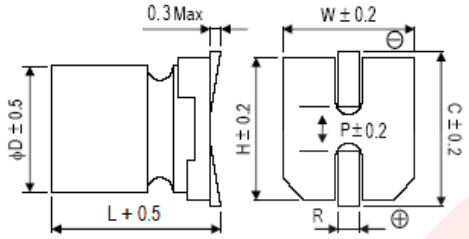
早安股份有限公司
YELLOW STONE CORP.

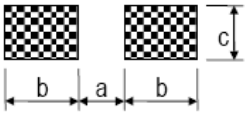
SPECIFICATION FOR APPROVAL

Conductive Polymer Aluminum Solid Capacitor		**GMV Series**
Capacitance： 100 μF	Tolerance ： ±20 %	Type : SMD
Voltage： 35 V DC	Dimension： 6.3 x 7.7	Part No.：GMV-100M35V6377

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 ℃
2	Capacitance Tolerance	:	±20% (20℃, 120Hz)
3	Leakage Current	:	I ≦ 700 μA (after 2 minutes)
4	Surge Voltage DC	:	Rated voltage x 1.15 V
5	Dissipation Factor (Tan δ)	:	0.12 MAX (20℃, 120Hz)
6	ESR	:	50 mΩ MAX. (20℃/100KHz to 300KHz)
7	Ripple Current	:	1450 mA (105℃,100KHz)

8 Load Life Test：After 2000 hours at 105℃, The capacitor shall meet with following limits：

Capacitance Change	≦ ±20% of initial value
Dissipation Factor	≦ 200% of specified value
ESR	≦ 200% of specified value
Leakage Current	≦ initial specified value

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

Capacitance Change	≦ ±20% of initial value
Dissipation Factor	≦ 150% of specified value
ESR	≦ 150% of specified value
Leakage Current	≦ initial specified value