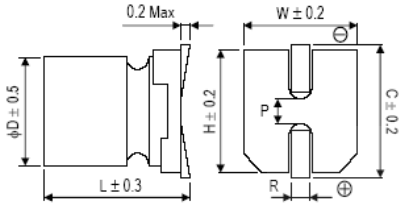
STONE 早安股份有限公司
YELLOW STONE CORP.

SPECIFICATION FOR APPROVAL

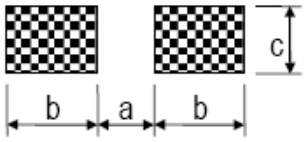
Conductive Polymer Aluminum Solid Capacitor PM Series

Capacitance： 100 μF	Tolerance ： ±20 %	Type ：SMD
Voltage： 16 V DC	Dimension： 6.3x7.7	Part No.：PM-100M16V6377

Diagram of Dimension & Recommended land pattern (mm)



φ DxL	W	H	C	R	P
4x5.5	4.3	4.3	5.1	0.5 to 0.8	1.0
5x5.5	5.3	5.3	5.9	0.5 to 0.8	1.4
6.5x5.8	6.6	6.6	7.2	0.5 to 0.8	2.2
6.3x7.7	6.6	6.6	7.2	0.5 to 0.8	2.2



φ DxL	a	b	c
4x5.5	1.0	2.6	1.6
5x5.5	1.4	3.0	1.6
6.3x5.8	2.1	3.5	1.6
6.3x7.7	2.1	3.5	1.6

Specification ：

1	Operating Temperature Range	:	- 55 ℃ ~ + 105 ℃
2	Capacitance Tolerance	:	±20% (20℃, 120Hz)
3	Leakage Current (μA)	:	I ≦ 400 μA (after 2 minutes application of rated.)
4	Surge Voltage DC	:	Rated voltage x 1.15 V
5	Dissipation Factor (Tan δ)	:	0.08 Max. (20℃, 120Hz)
6	ESR	:	25 mΩ Max. (20℃/100KHz to 300KHz)
7	Permissible Ripple Current	:	2690 mA Max. (105℃/100KHz)

8 Ripple Current & Frequency Coefficient

Frequency(Hz)	120≦f＜1K	1K≦f＜10K	10K≦f＜100K	100K≦f＜300K
Coefficient	0.05	0.3	0.7	1

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

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

10 Moisture Resistance：Stored at 60℃, RH90~95% , 2000 hours.
The characteristic change shall meet the following requirement：

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