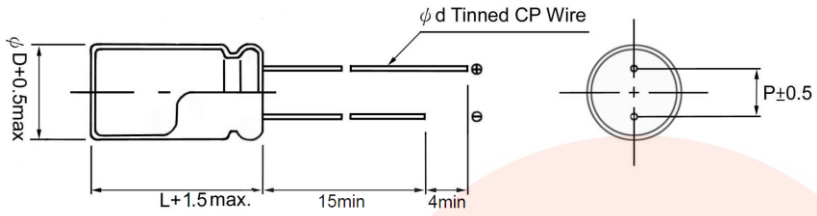
早安股份有限公司
YELLOW STONE CORP.

SPECIFICATION FOR APPROVAL

Date：2022/7/19

Conductive Polymer Aluminum Solid Capacitor **PS Series**		
Capacitance： 100 μF	Tolerance： ± 20 %	Type： Radial
Voltage ： 25 V DC	Part No. ： PS-100M25V0811	

Dimension (mm)



φD	8.0 ± 0.5
P	3.5 ± 0.5
L	11.5 ± 1.5
d	0.6 ± 0.05

Specification ：

1	Operating Temperature Range	：	- 55 ℃ ~ + 105 ℃
2	Leakage Current (μA)	：	I ≦ 500 μA (After 2 minutes application of rated.)
3	Surge Voltage DC	：	Rated voltage x 1.15 V
4	Dissipation Factor (Tan δ)	：	0.08 MAX. (20℃/120Hz)
5	Equivalent series resistance(ESR)	：	20 mΩ MAX. (20℃/100KHz to 300KHz)
6	Max. Permissible ripple current	：	4200 mA/105℃/100KHz

7 High temperature & Low temperature characteristic ：

Z(-55℃)/Z(+20℃)	0.75~1.25
Z(+105℃)/Z(+20℃)	0.75~1.25

8 Load Life Test ：After 2000 hours application of W.V. at 105℃ and the being stabilized at 20℃.
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

9 High temperature & High humidity：(Constant) After storing for 1000 hours at 60℃、90~95% R.H.

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