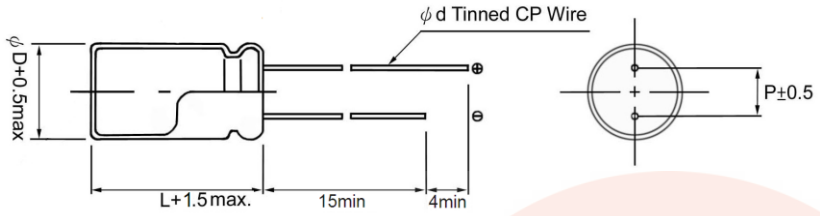
早安股份有限公司
YELLOW STONE CORP.

SPECIFICATION FOR APPROVAL

Date：2022/5/27

Conductive Polymer Aluminum Solid Capacitor		**GPL Series**
Capacitance： 560 μF	Tolerance： ± 20 %	Type： 直 立 式
Voltage ： 25 V DC	Part No. ：GPL-560M25V1012	

Dimension (mm)



φD	10 ± 1.5
P	5.0 ± 0.5
L	12 ± 1.5
d	0.6 ± 0.1

Specification ：

1	Operating Temperature Range	：	- 55 ℃ ~ + 125 ℃	
2	Leakage Current (μA)	：	I ≦ 2800 μA	(After 2 minutes application of rated.)
3	Surge Voltage DC	：	Rated voltage x 1.15 V	
4	Dissipation Factor (Tan δ)	：	0.12 MAX.	(20℃/120Hz)
5	Equivalent series resistance(ESR)	：	16 mΩ MAX.	(20℃/100KHz to 300KHz)
6	Max. Permissible ripple current	：	1880 mA/125℃/100KHz	(4700mA/105℃/100KHz)

7 High temperature & Low temperature characteristic ：

Z(-55℃)/Z(+20℃)	≦1.25
Z(+125℃)/Z(+20℃)	≦1.25

8 Load Life Test ：The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for 16V~25V 2000 hours, ≧35V 1500 hours at 125℃. The capacitor shall meet with following limits：

Capacitance Change	≦ ±30% of initial value
Dissipation Factor	≦ 300% of specified value
ESR	≦ 300% 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