



# PS25 Series

25mm Short Metal Pushbutton Switches



## SPECIFICATIONS

**RATING :** 2A/36VDC

**ELECTRICAL LIFE:** 200,000 make-and-break cycles at full load.

**MECHANICAL LIFE:** 1,000,000 cycles.

**DIELECTRIC STRENGTH:** 2,000V RMS@sea level

**CONTACT RESISTANCE:** 50mΩ MAX.@1A 12VDC(initial value)

**OPERATING TEMPERATURE:** -20°C to 70°C

**TRAVEL:** ABOUT 1.8mm

**OPERATION PRESSURE:** 4.5±1.5N

**INGRESS PROTECTION:** IP67(In house test), IK10(Stainless)

**TORQUE:** 1~3Nm

## MATERIALS

**BUSHING :** Stainless Steel

**BASE :** PA66, White UL-94V0

**ACTUATOR :** PC, Translucent UL-94V2, Stainless Steel

**INNER ASSEMBLY :** PC, Translucent UL-94V2

**SPRING :** Spring steel

**SEALING :** Silicone, Translucent

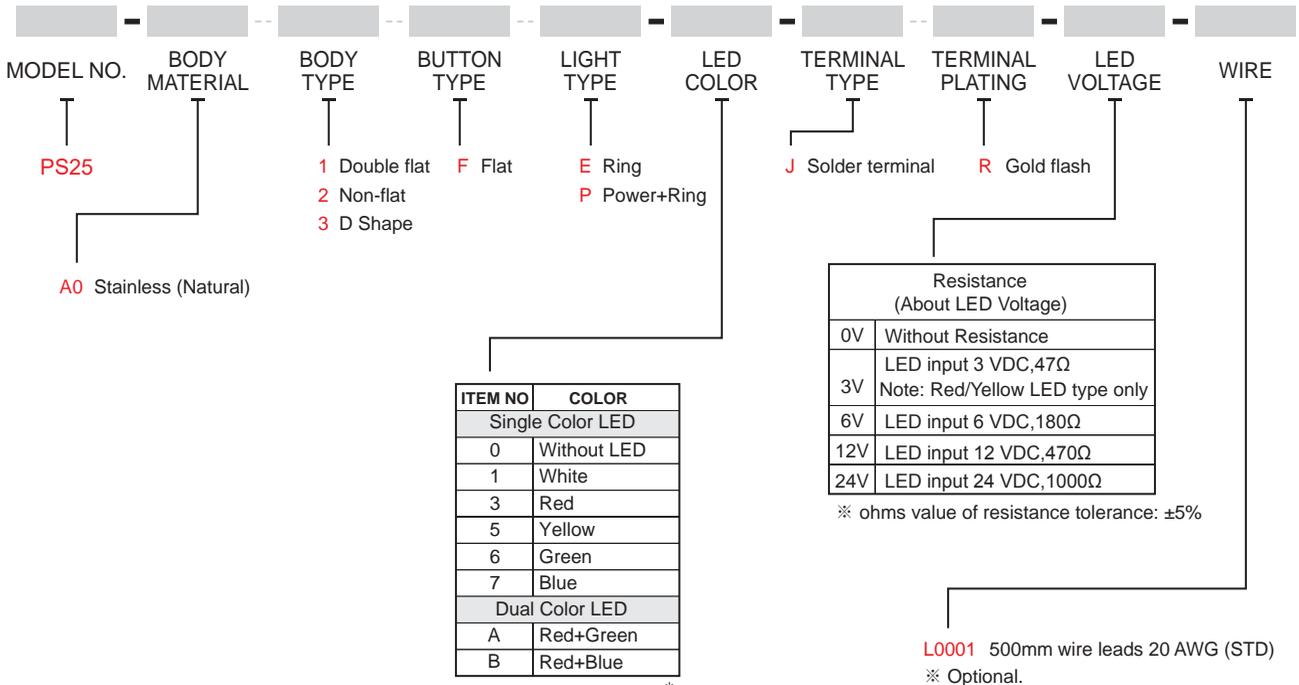
**O-Ring :** Silicone

**TERMINAL :** Brass, Gold flash plated

**CONTACT :** Brass, Silver alloy

**HEX NUT :** Brass, Nickel plated

## HOW TO ORDER



※ Current limiting resistor is required to limit LED forward current to 20mA.

\* Except standard color, for other colors information please consult sales representativity.

EXAMPLE:

PS25-A01FE-□-JR-□V  
LED voltage  
LED color

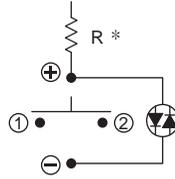
PS25-A01FE-□-JR-□V-L0001(Wire)  
LED voltage  
LED color



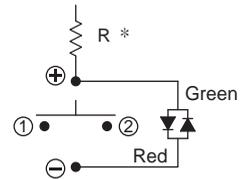
### ▼ CIRCUIT



Without LED



Single Color LED

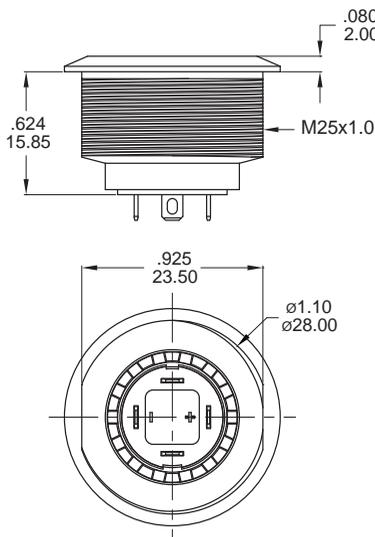


Dual Color LED

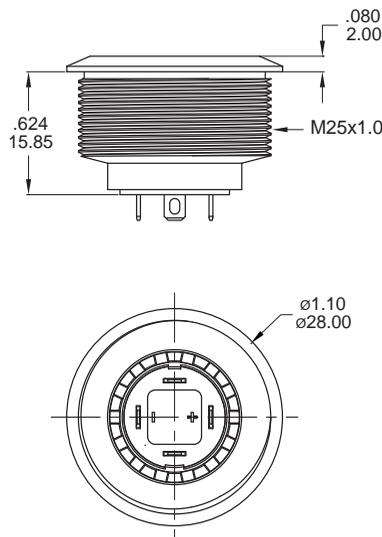
\* Note: Adjust the resistance according to the input voltage.

### ▼ BODY OPTIONS

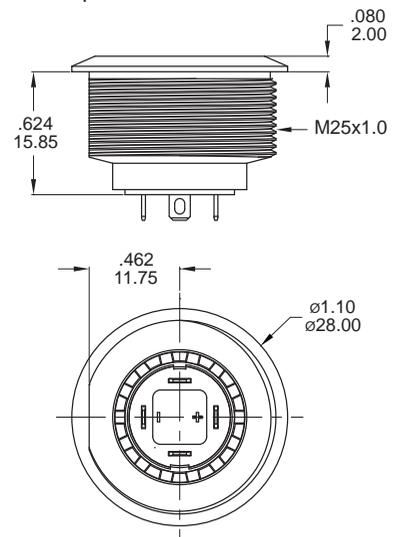
#### 1 Double flat



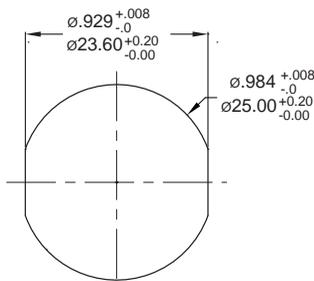
#### 2 Non-flat



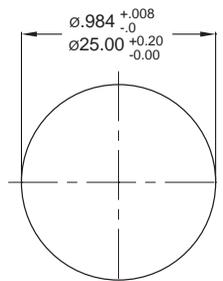
#### 3 D Shape



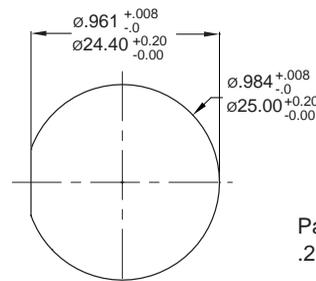
### ▼ PANEL MOUNTING



Double flat



Non-flat

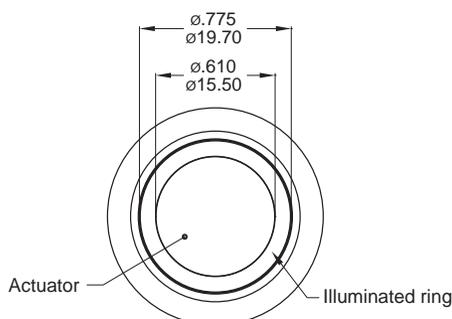


D Shape

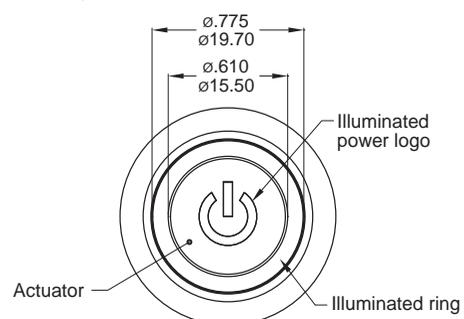
Panel thickness:  
.236inch(6.0 mm) MAX.

### ▼ LIGHT OPTIONS

#### E Ring

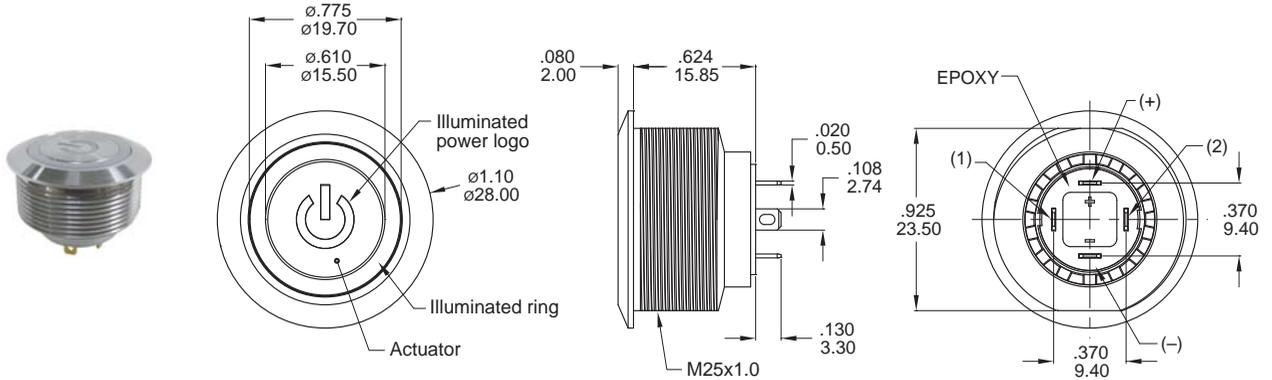


#### P Power+Ring





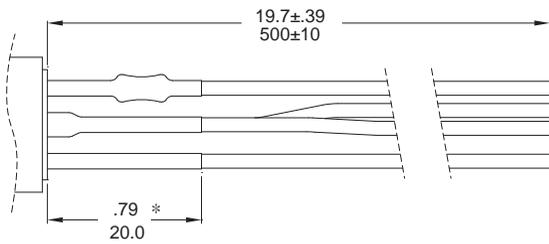
## ▼ DIMENSION



Model name. PS25-A01FP-1-JR-12V

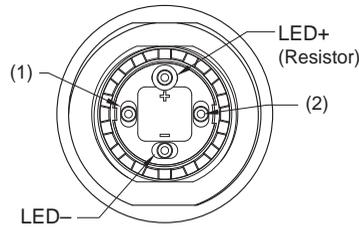
## ▼ WIRE

**L0001** 500mm wire leads 20 AWG



Heat shrink tube

\* No external resistance heat shrink sleeve .39inch(10mm).



Wires:

Black wire - Terminal

Red wire - LED (+) Positive

Green wire - LED (-) Negative

\* No Illumination: Black Wire - Terminal

\* Please consult sales for additional wire options.

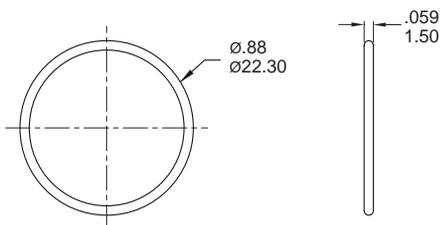
## ▼ HARDWARE

\* Standard hardware : 1 nut, 1 O-ring

\* For further information please consult sales representativity.

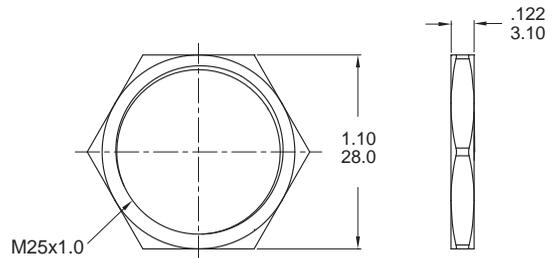
### O-RING (Std.)

Model name. FCP-MPB25



### NUT (Std.)

Model name. MNU-MPB03



## ▼ O-RING INSTALLATION

