

# PS011A SERIES

## LED PUSH BUTTON SWITCH



### Feature -

- Noiseless
- High bright LED illumination
- Long life
- Single pole and double pole

### Applications -

- Communication equipments
- Instrumentation
- Audio/Video products

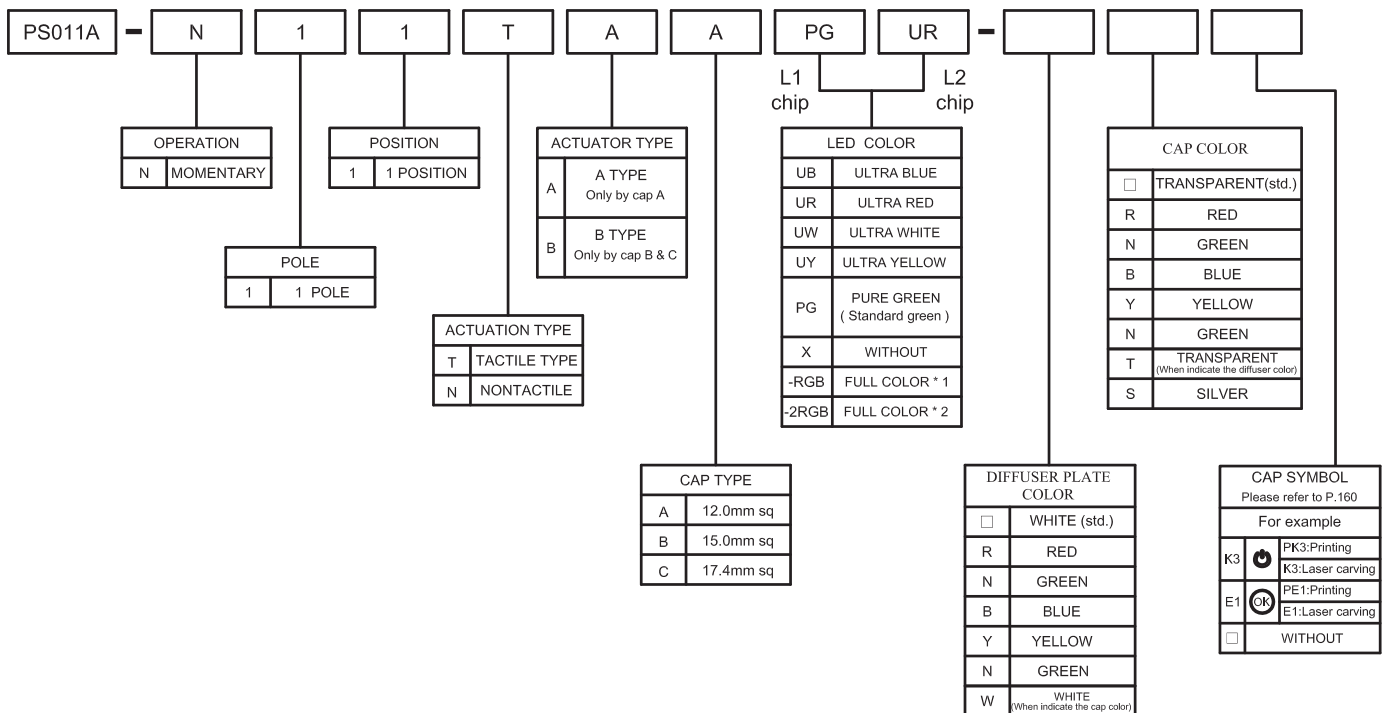
## SPECIFICATIONS

| SWITCH SPECIFICATIONS       |                                                       |
|-----------------------------|-------------------------------------------------------|
| POLE - POSITION             | OFF - <ON> for Momentary Type , SPST                  |
| CONTACT RATING              | 100 mA 12V DC                                         |
| CONTACT RESISTANCE          | 200 mΩ MAX.                                           |
| INSULATION RESISTANCE       | 100 MΩ MIN. 500 V DC                                  |
| DIELECTRIC STRENGTH         | Breakdown is not Allowable ;<br>500 V AC for 1 Minute |
| OPERATING FORCE             | 250 ± 100 gf                                          |
| OPERATING LIFE              | 1,000,000 cycles                                      |
| OPERATING TEMPERATURE RANGE | -20°C ~ 70°C                                          |
| TOTAL TRAVEL                | 4.5 ± 0.2 mm                                          |

| LED SPECIFICATIONS                                                                                                                      |      | Value / LED Color |            |           |
|-----------------------------------------------------------------------------------------------------------------------------------------|------|-------------------|------------|-----------|
|  ATTENTION<br>LEDs are Electrostatic Sensitive devices | Unit | Ultra Blue        | Pure Green | Ultra Red |
|                                                                                                                                         |      | Value             | Value      | Value     |
| FORWARD CURRENT                                                                                                                         | If   | mA                | 20         | 20        |
| REVERSE VOLTAGE                                                                                                                         | Vr   | V                 | 5.0        | 5.0       |
| REVERSE CURRENT                                                                                                                         | Ir   | μA                | 10         | 10        |
| FORWARD VOLTAGE@20mA                                                                                                                    | Vf   | V                 | 2.7-3.7    | 2.7-3.2   |
| LUMINOUS INTENSITY@20mA                                                                                                                 | Iv   | mcđ               | 25~80      | 90~225    |

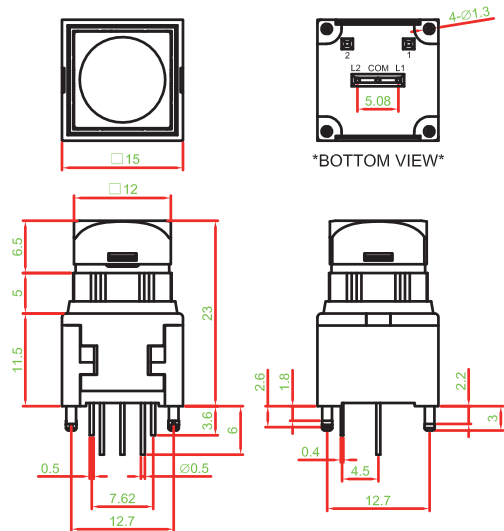
Physical and electrical information of LED will be provided upon customer's request on switches .

## HOW TO ORDER

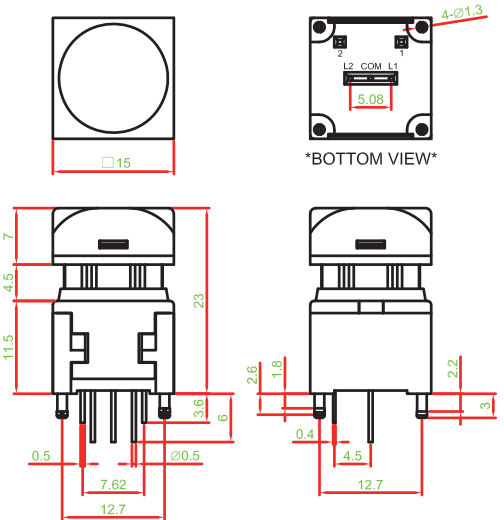


► DIMENSION & FRAME TYPE

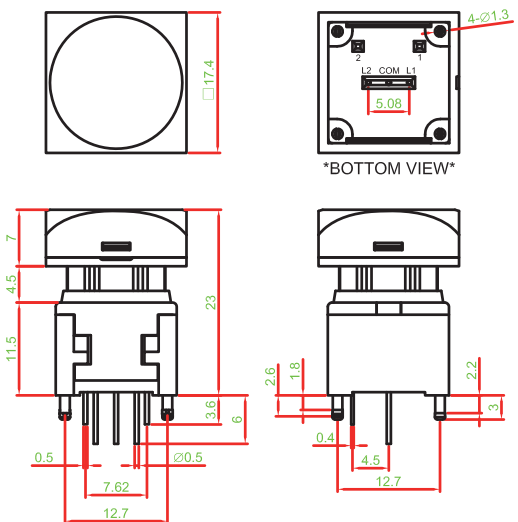
PS011A-N11TAA □ □



PS011A-N11TB □ □

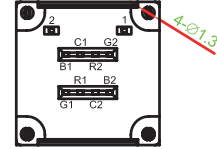
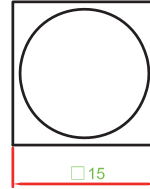


PS011A-N11TBC □ □

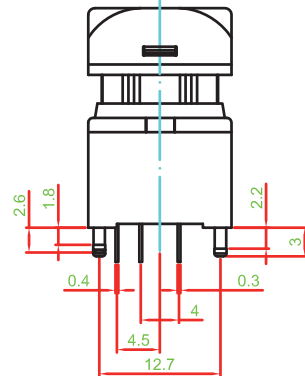
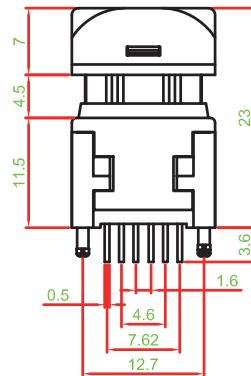


## ► DIMENSION & FRAME TYPE

PS011A-N11TBB-2RGB

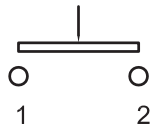


\*BOTTOM VIEW\*

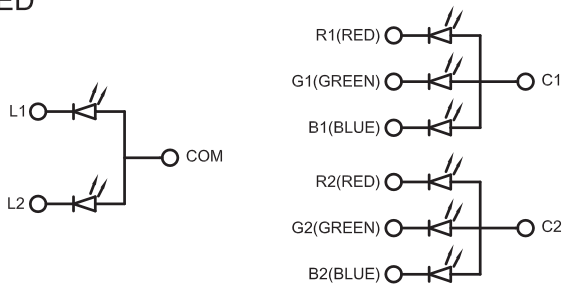


## ► SCHEMATIC

SWITCH

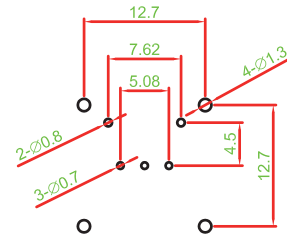


LED

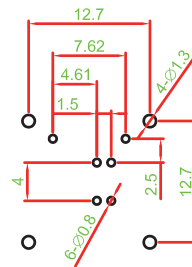


## ► P.C.B LAYOUT

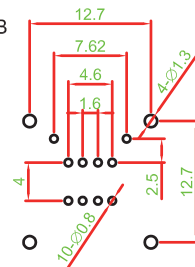
Single color  
or two color



RGB



2RGB



## ► MATERIAL

- COVER : PC
- ACTUATOR : POM
- BASE FRAME : PA + GF
- TERMINAL : BRASS SILVER PLATING
- MOVING CONTACT : PHOSPHOR BRONZE  
GOLD PLATING

## ► UNIT WEIGHT

- PS011A-N11TAA□□ :  $3.3 \pm 0.05$  g / pc
- PS011A-N11TBB□□ :  $3.6 \pm 0.05$  g / pc
- PS011A-N11TBC□□ :  $4.5 \pm 0.05$  g / pc

