
**Feature -**

SPST  
mini in dimension  
bi-color LED illuminated available  
SMT, right angle, and vertical PCB terminal

**Application -**

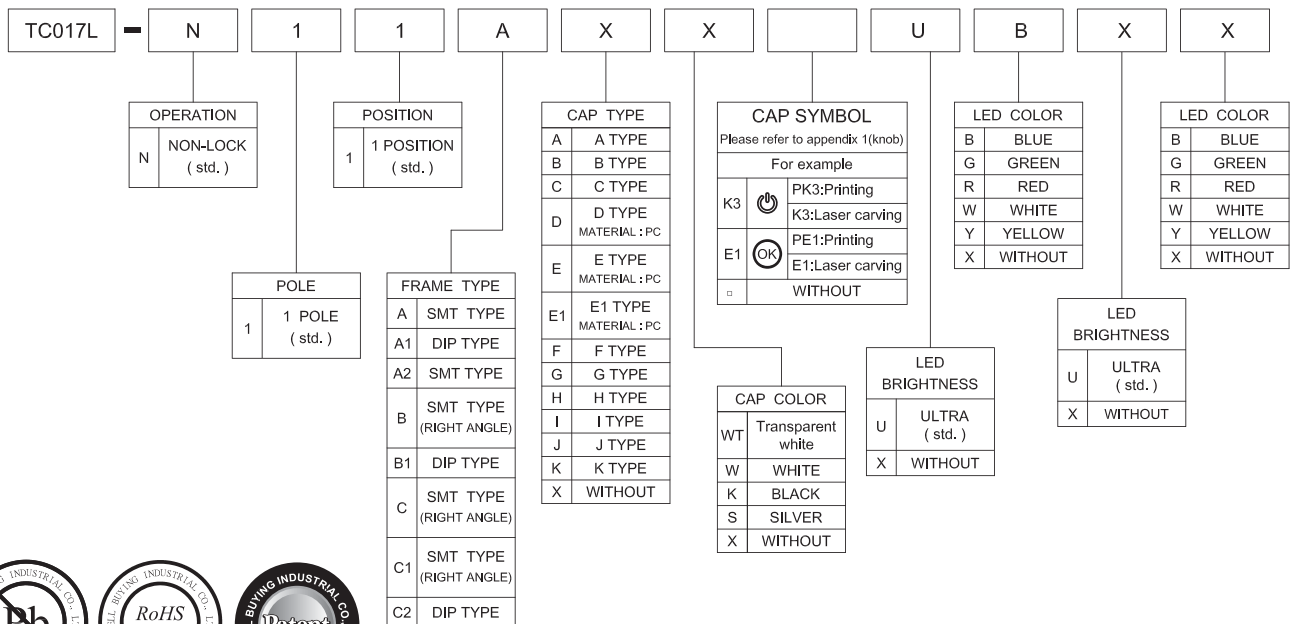
consumer products  
computer products  
instrumentation  
communication equipments

**SPECIFICATIONS**

| SWITCH SPECIFICATIONS       |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| POLE - POSITION             | Momentary action , SPST                                           |
| CONTACT RATING              | MAX. : 12 V DC , 50 mA<br>MIN. : 1 V DC , 50 $\mu$ A              |
| CONTACT RESISTANCE          | 500 m $\Omega$ MAX. 5 V DC ; 10 mA ,<br>by Method of Voltage DROP |
| INSULATION RESISTANCE       | 100 M $\Omega$ MIN. 100 V DC for 1 minute                         |
| DIELECTRIC STRENGTH         | Breakdown is not Allowable ;<br>250 V AC for 1 Minute             |
| OPERATING FORCE             | 160 $\pm$ 50 gf                                                   |
| OPERATING LIFE              | 100,000 cycles                                                    |
| OPERATING TEMPERATURE RANGE | -20°C ~ 70°C                                                      |
| TOTAL TRAVEL                | 0.2 $\pm$ 0.10 mm                                                 |

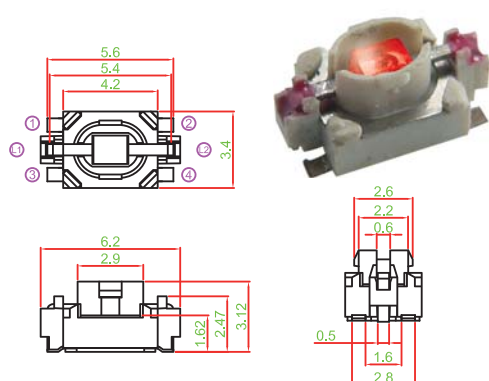
| LED SPECIFICATIONS      |      | Value / LED Color |         |         |         |
|-------------------------|------|-------------------|---------|---------|---------|
|                         | Unit |                   |         |         |         |
|                         |      | Blue              | Green   | Red     | Yellow  |
| FORWARD CURRENT         | If   | 20                | 20      | 20      | 20      |
| REVERSE VOLTAGE         | Vr   | 5.0               | 5.0     | 5.0     | 5.0     |
| REVERSE CURRENT         | Ir   | 10                | 10      | 10      | 10      |
| FORWARD VOLTAGE@20mA    | Vf   | 3.5-3.8           | 2.0-2.5 | 2.0-2.5 | 2.0-2.5 |
| LUMINOUS INTENSITY@20mA | Iv   | 45                | 20      | 80      | 80      |

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

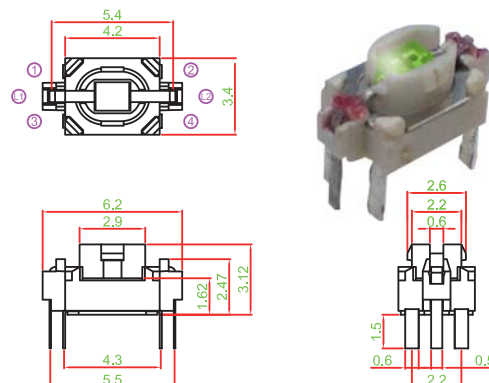
**HOW TO ORDER**


► DIMENSION

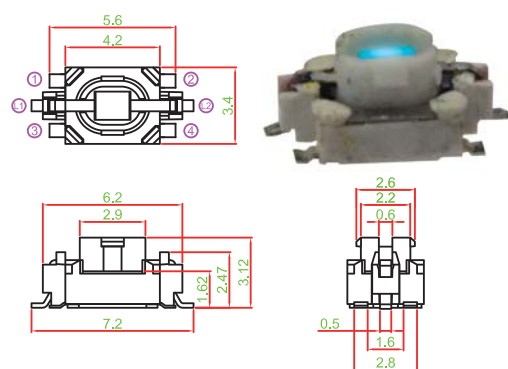
TC017L-N11AXX□□□□



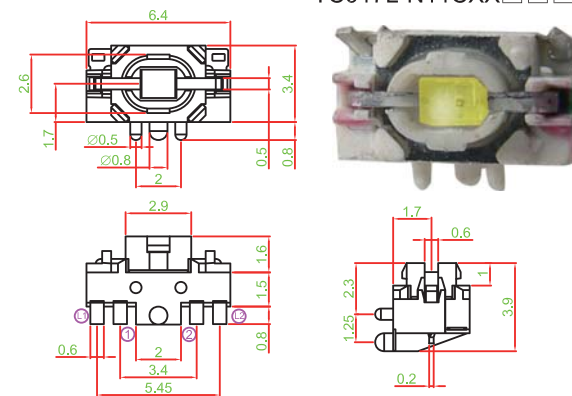
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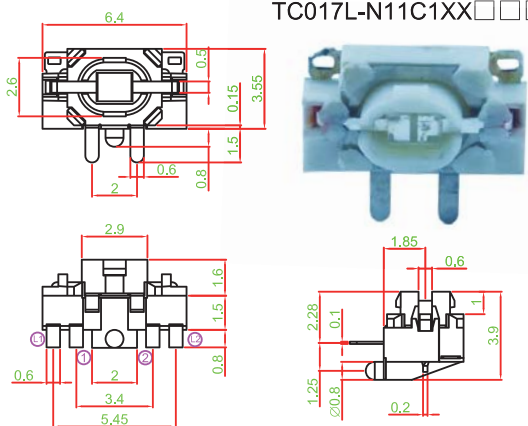
TC017L-N11A2XX□□□□



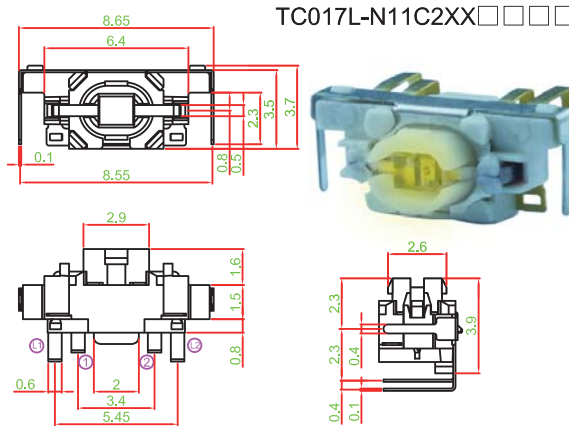
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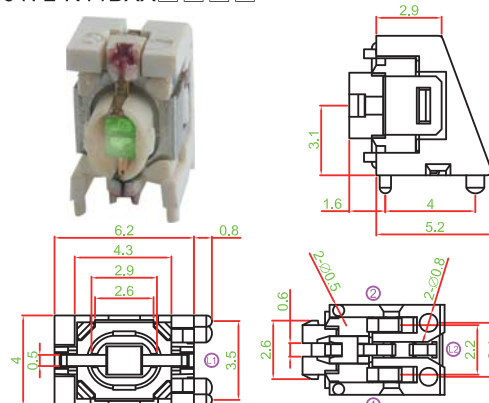
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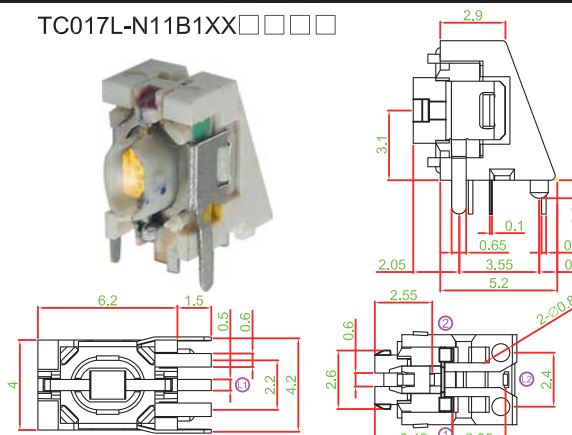
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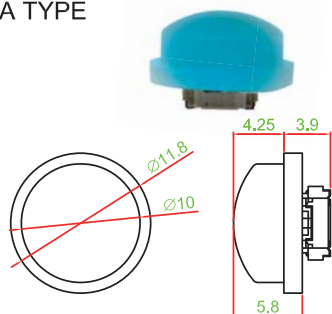
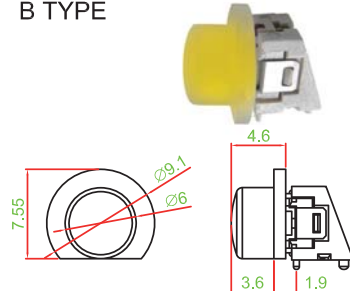
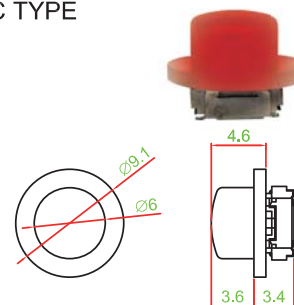
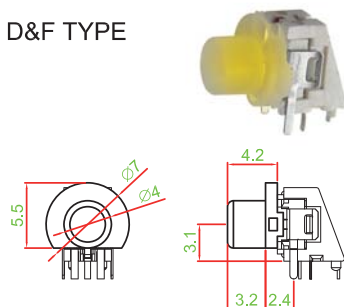
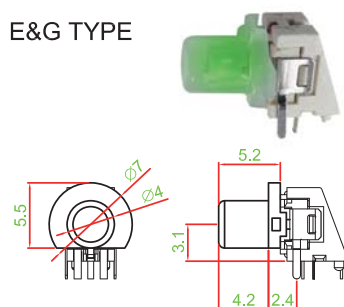
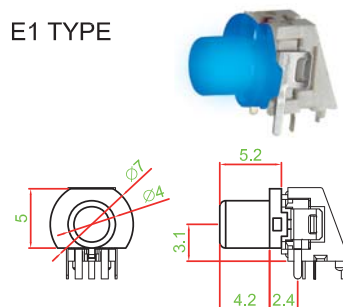
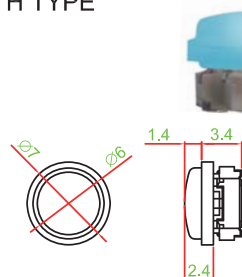
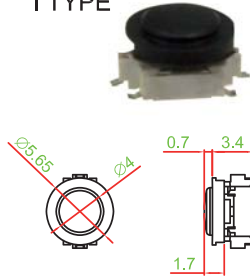
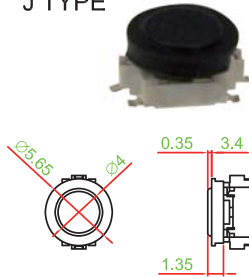
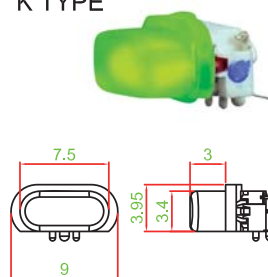
TC017L-N11BXX□□□□



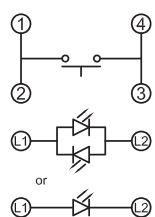
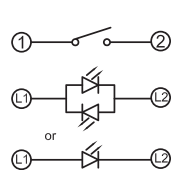
TC017L-N11B1XX□□□□



# ▶ KNOB TYPE OPTION

**A TYPE**

**B TYPE**

**C TYPE**

**D&F TYPE**

**E&G TYPE**

**E1 TYPE**

**H TYPE**

**I TYPE**

**J TYPE**

**K TYPE**


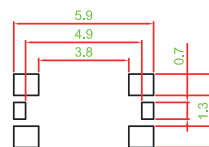
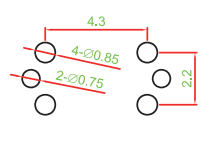
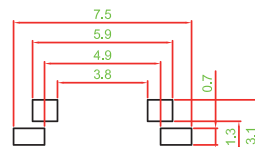
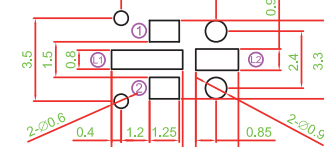
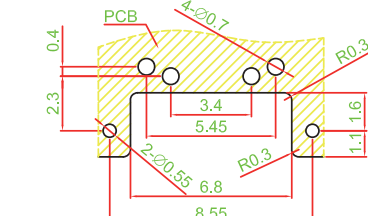
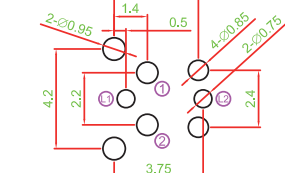
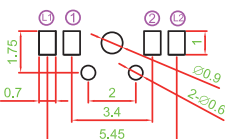
# ▶ CIRCUIT

**FRAME : A**

**FRAME : B, C**


# ▶ MATERIAL

- COVER : SUS
- ACTUATOR : PA
- BASE : LCP
- CAP : PC、SILICONE
- TERMINAL : BRASS  
SILVER PLATING

# ▶ P.C.B. LAYOUT

**FRAME : A**

**FRAME : A1**

**FRAME : A2**

**FRAME : B**

**FRAME : C2**

**FRAME : B1**

**FRAME : C**

**FRAME : C1**
