

Feature -

SPST

mini in dimension

bi-color LED illuminated available

SMT, right angle, and vertical PCB terminal

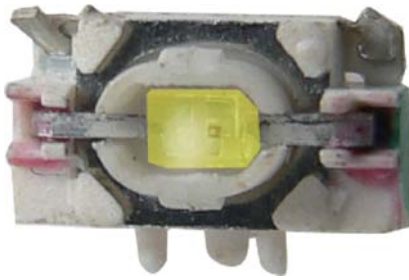
Application -

consumer products

computer products

instrumentation

communication equipments



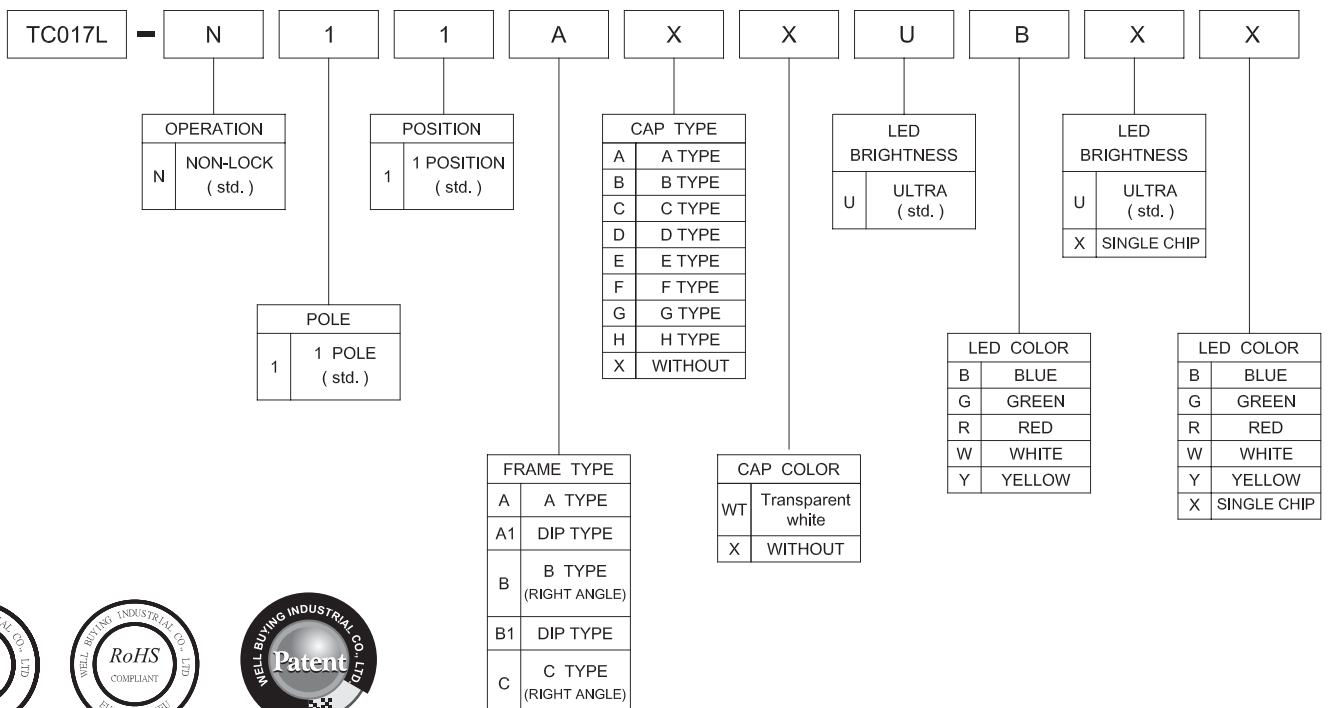
► SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	Momentary action , SPST
CONTACT RATING	MAX. : 12 V DC , 50 mA MIN. : 1 V DC , 50 μ A
CONTACT RESISTANCE	500 m Ω MAX. 5 V DC ; 10 mA , by Method of Voltage DROP
INSULATION RESISTANCE	100 M Ω MIN. 100 V DC for 1 minute
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 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						
 ATTENTION LEDs are Electrostatic Sensitive devices		Unit	Value / LED Color			
			Blue	Green	Red	Yellow
FORWARD CURRENT	If	mA	20	20	20	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	3.5-3.8	2.0-2.5	2.0-2.5	2.0-2.5
LUMINOUS INTENSITY@20mA	Iv	mcd	45	20	80	80

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

► HOW TO ORDER

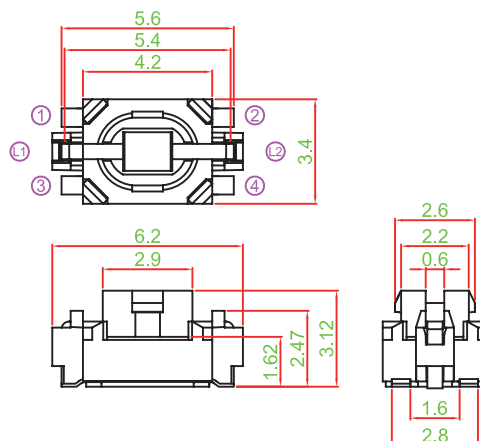
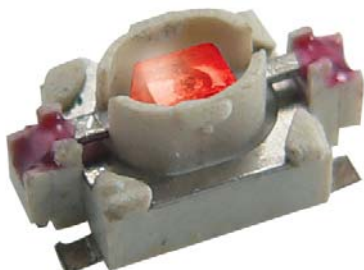


TC017L SERIES

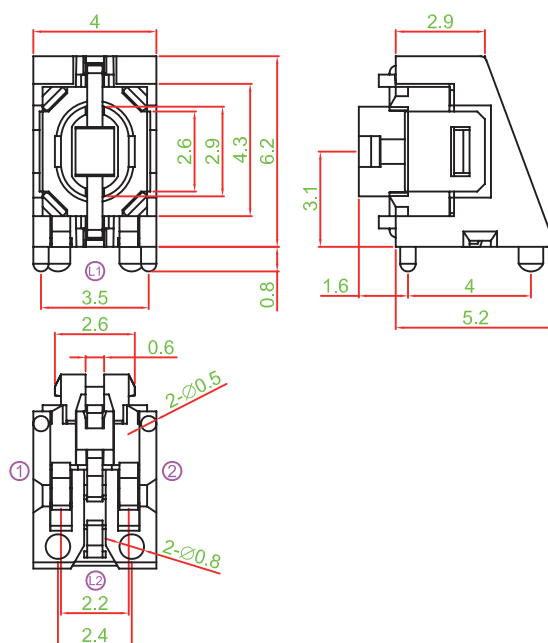
LED TACT SWITCH

► DIMENSION

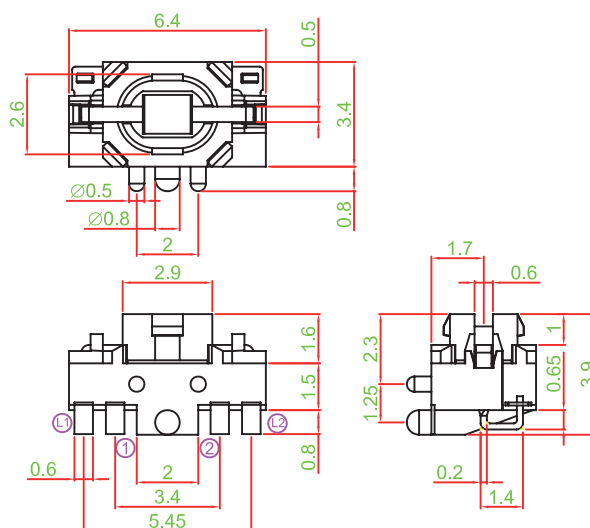
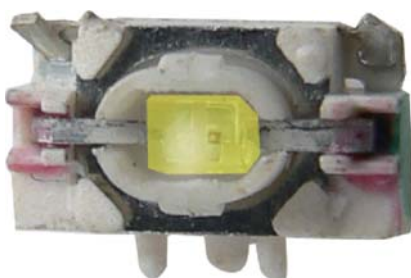
TC017L-N11AXX□□□□



TC017L-N11BXX□□□□

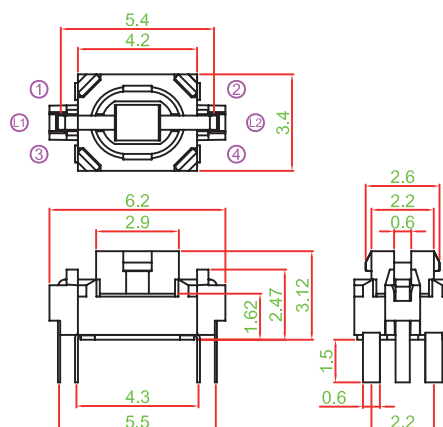


TC017L-N11CXX□□□□

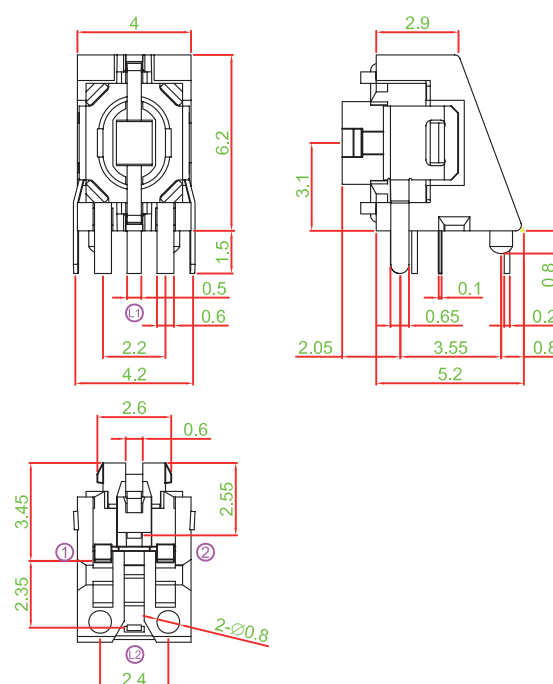


► DIMENSION

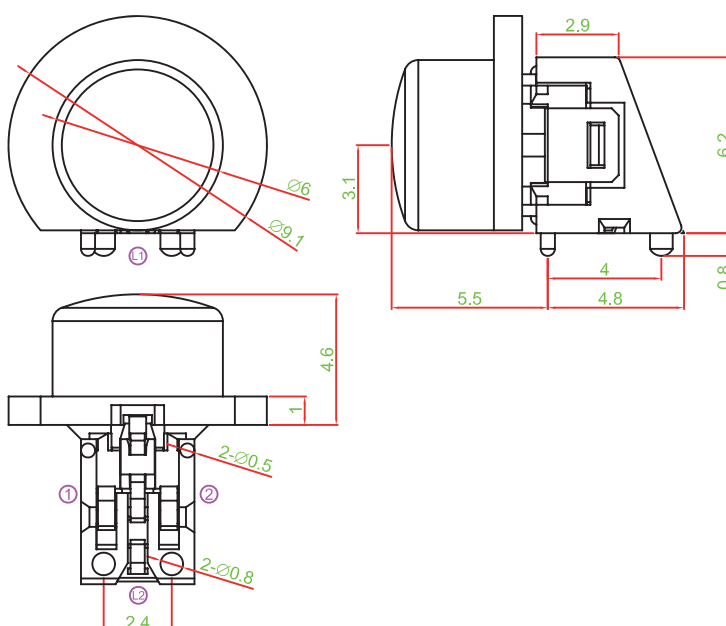
TC017L-N11A1XX□□□□

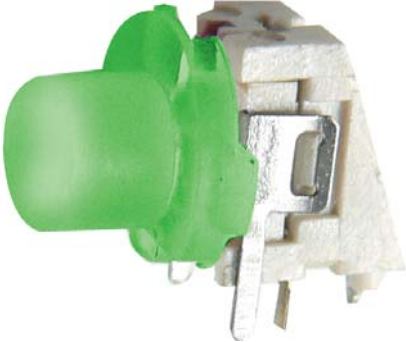
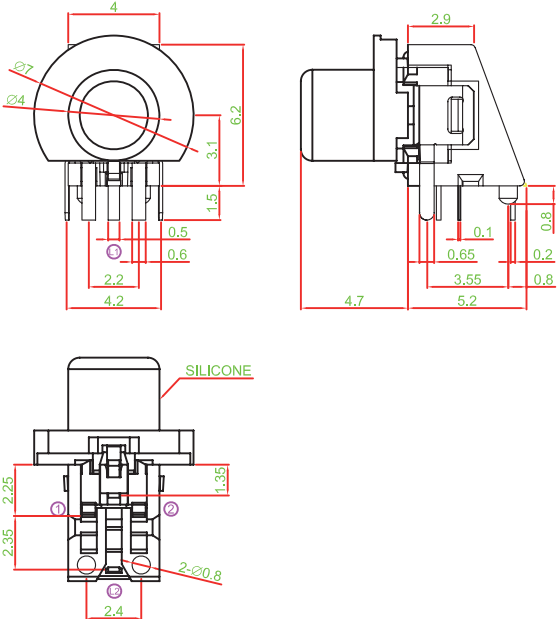
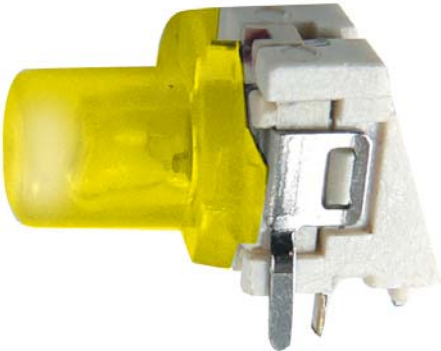
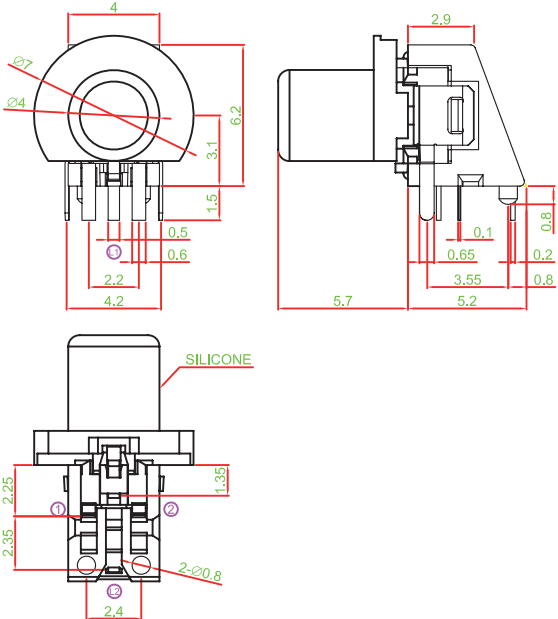
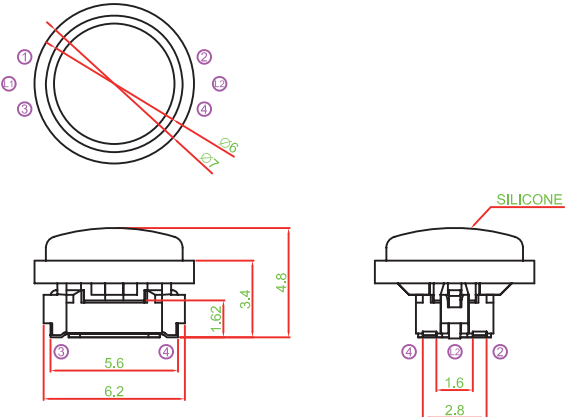


TC017L-N11B1XX□□□□



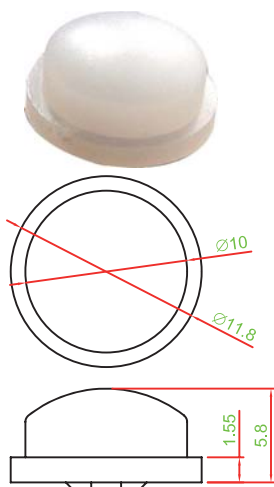
TC017L-N11BBWT□□□□



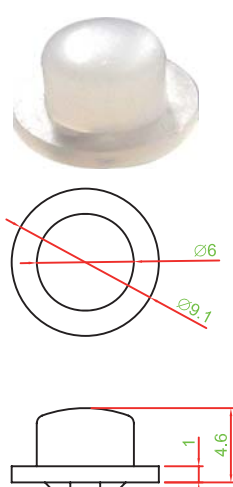
► DIMENSION	
TC017L-N11B1FWT□□□□ 	
TC017L-N11B1GWT□□□□ 	
TC017L-N11AHWT□□□□ 	

► KNOB OPTION

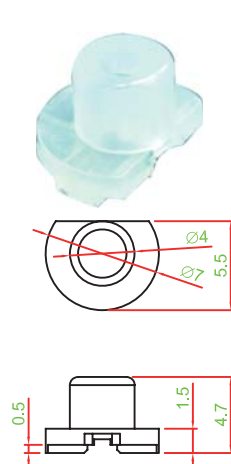
A TYPE



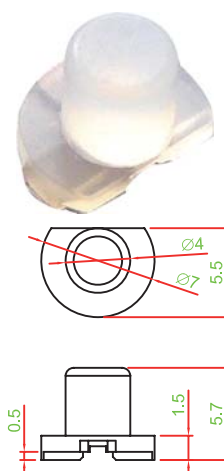
C TYPE



D TYPE

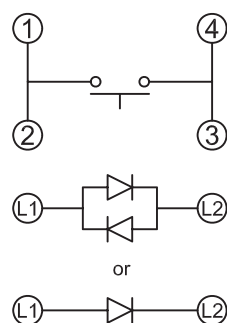


E TYPE

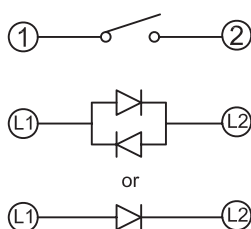


► CIRCUIT DIAGRAM

FRAME : A

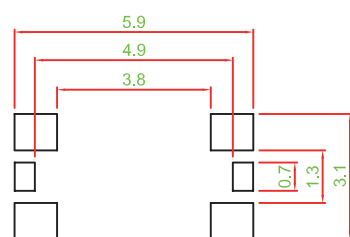


FRAME : B、C

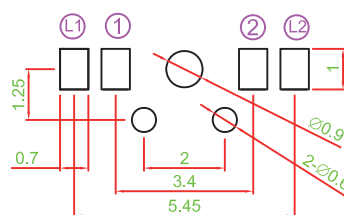


▶ P.C.B. LAYOUT

FRAME : A



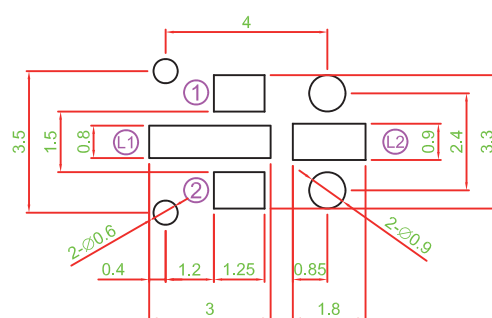
FRAME : C



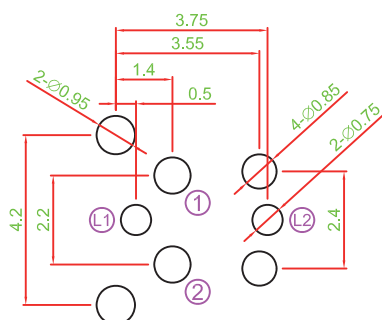
FRAME : A1



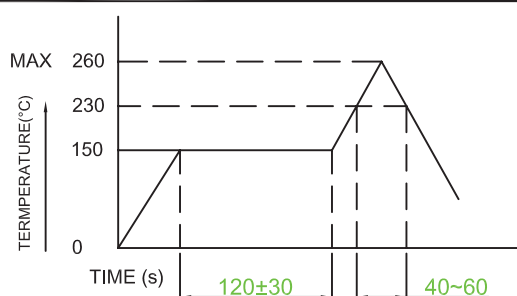
FRAME : B



FRAME : B1



▶ REFLOW SOLDERING



► MATERIAL

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