

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

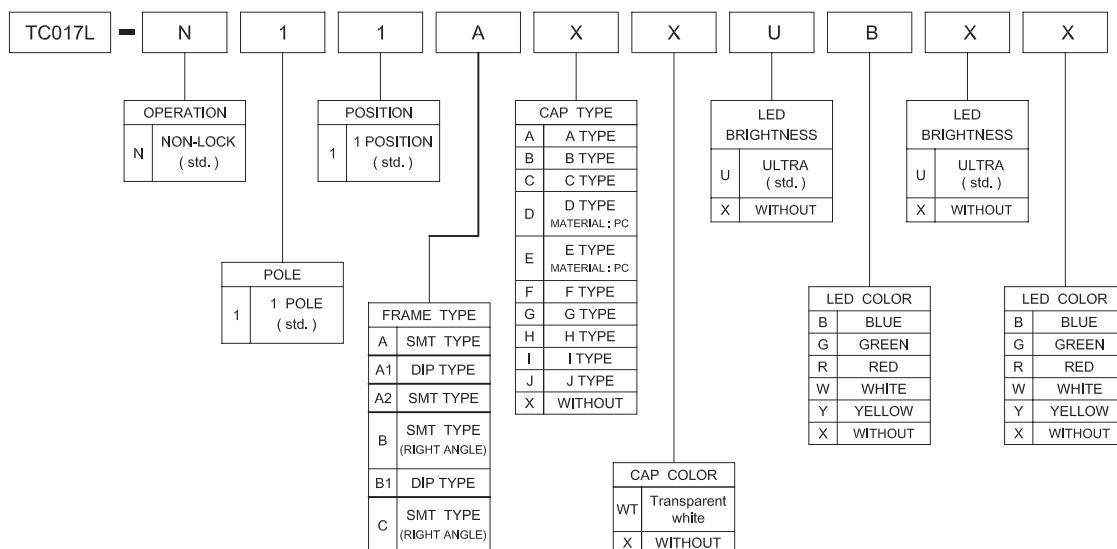
► **SPECIFICATIONS**

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

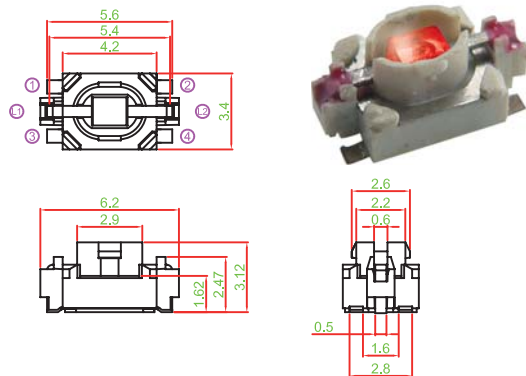
LED SPECIFICATIONS		Value / LED Color			
	Unit				
		Blue	Green	Red	Yellow
FORWARD CURRENT	If	20	20	20	20
REVERSE VOLTAGE	Vr	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	10	10	10	10
FORWARD VOLTAGE@20mA	Vf	3.5-3.8	2.0-2.5	2.0-2.5	2.0-2.5
LUMINOUS INTENSITY@20mA	Iv	45	20	80	80

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

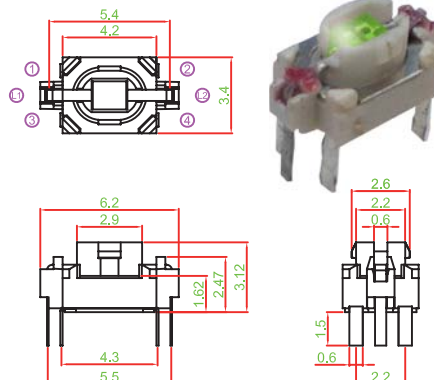
► **HOW TO ORDER**



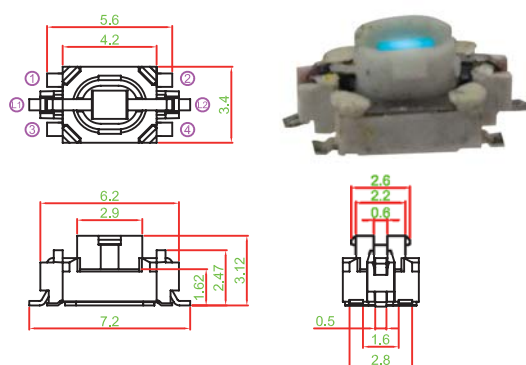
► DIMENSION

TC017L-N11AXX 

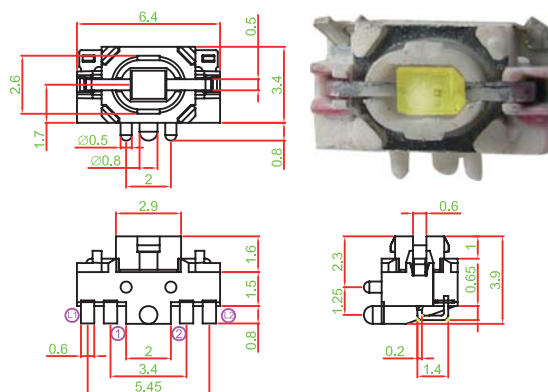
TC017L-N11A1XX□□□□



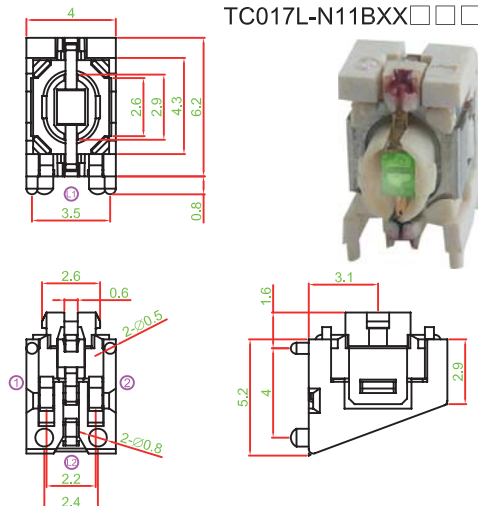
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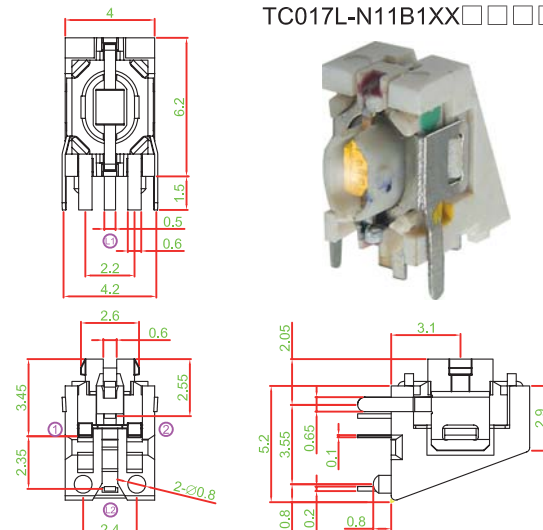
TC017L-N11CXX□□□□



TC017L-N11BXX□□□□

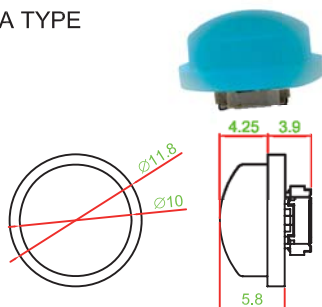


TC017L-N11B1XX□□□□

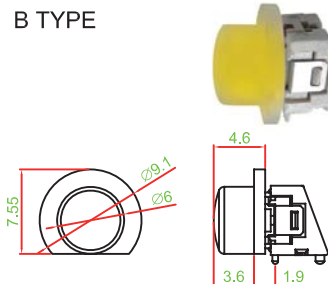


► KNOB TYPE OPTION

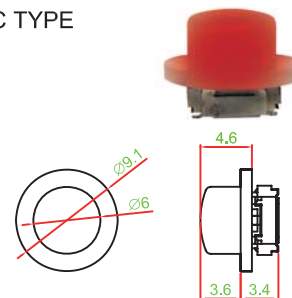
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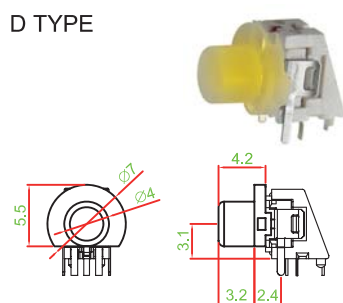
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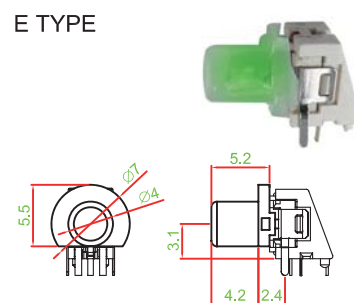
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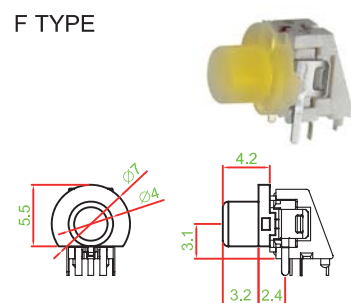
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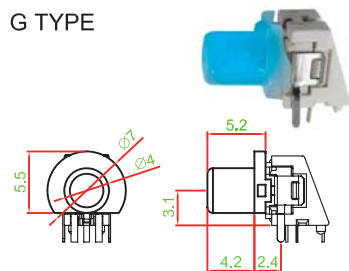
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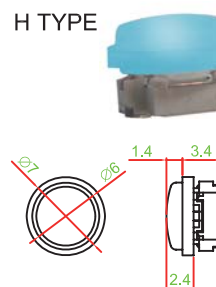
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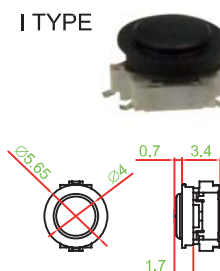
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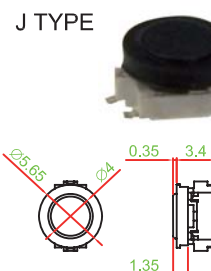
H TYPE



I TYPE

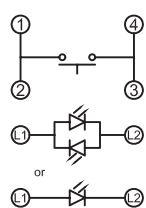


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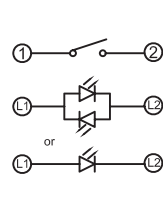


► CIRCUIT DIAGRAM

FRAME : A

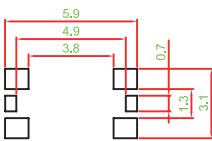


FRAME : B, C

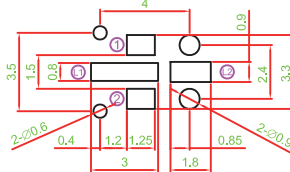


► P.C.B. LAYOUT

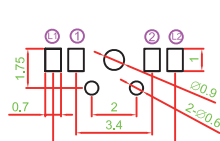
FRAME : A



FRAME : B



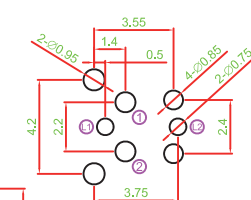
FRAME : C



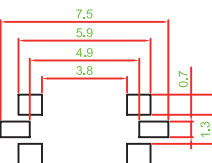
FRAME : A1



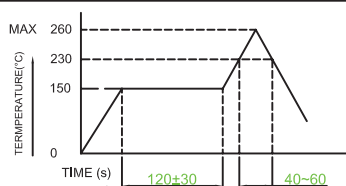
FRAME : B1



FRAME : A2



► REFLOW SOLDERING



► MATERIAL

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