



Feature -

- water proof IP67 sealed
- bi-color LED illuminated available
- SMT, right angle, and vertical PCB terminal

Application -

- consumer products
- computer products
- instrumentation
- communication equipments

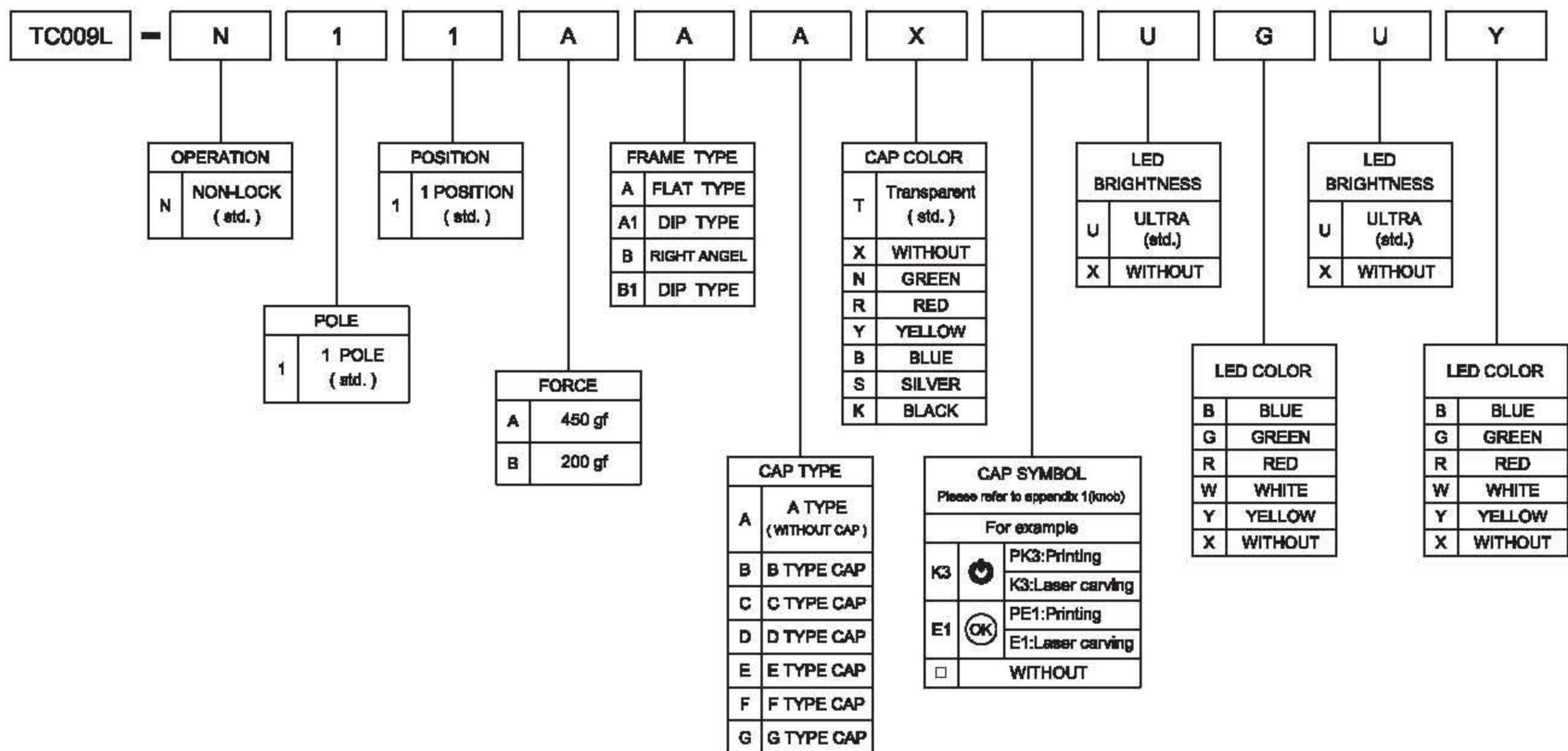
► **SPECIFICATIONS**

SWITCH SPECIFICATIONS	
POLE - POSITION	Momentary action , SPST
CONTACT RATING	12 V DC , 50 mA
CONTACT RESISTANCE	100 mΩ MAX. 5 V DC ; 1 A , by Method of Voltage DROP
INSULATION RESISTANCE	1000 MΩ MIN. 100 V DC for 1 minute
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 250 V AC for 1 Minute
OPERATING FORCE	200 ± 80 gf ; 450 ± 150 gf
OPERATING LIFE	500,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	0.45 ± 0.15 mm
SEALING	IP67

LED SPECIFICATIONS		Unit	Value / LED Color			
			Blue	Green	Red	Yellow
ATTENTION () ○ — () ○ () LEDs are Electrostatic Sensitive devices						
FORWARD CURRENT	I _f	mA	20	20	20	20
REVERSE VOLTAGE	V _r	V	5.0	5.0	5.0	5.0
REVERSE CURRENT	I _r	μA	10	10	10	10
FORWARD VOLTAGE@20mA	V _f	V	3.5-3.8	2.0-2.5	2.0-2.5	2.0-2.5
LUMINOUS INTENSITY@20mA	I _v	mcd	45	20	80	80

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

► **HOW TO ORDER**



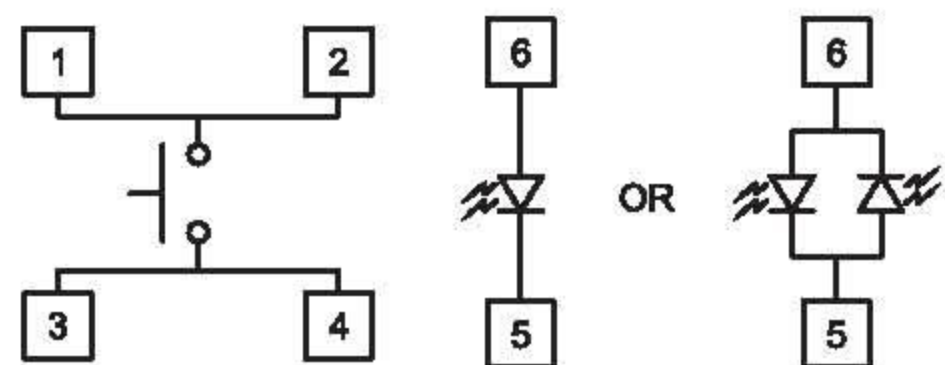
DIMENSION & FRAME TYPE

<p>TC009L-N11AAAX□□□□</p>	<p>TC009L-N11AA1AX□□□□</p>	<p>TC009L-N11ABAX□□□□</p>	<p>TC009L-N11AB1AX□□□□</p>
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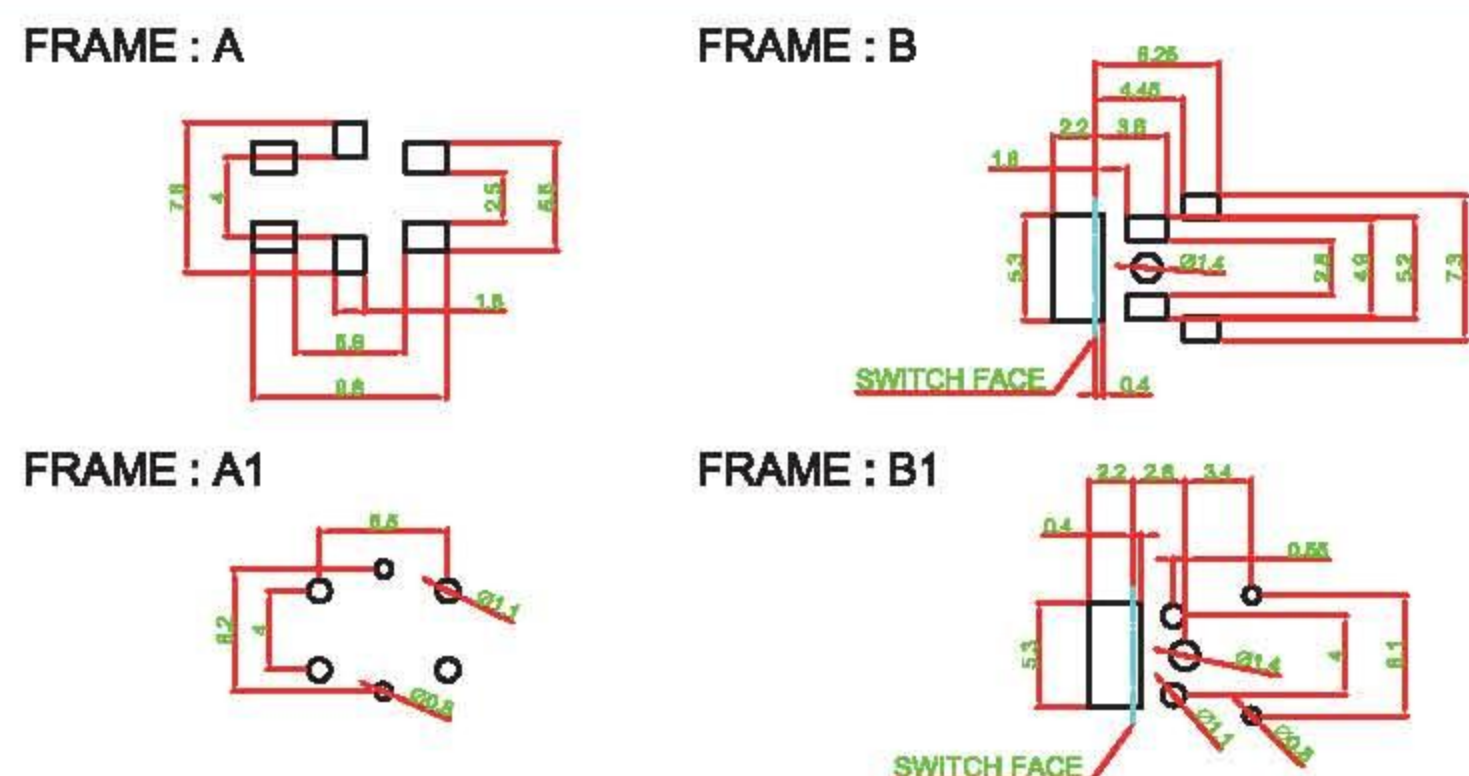
KNOB TYPE OPTION

<p>B TYPE</p>	<p>C TYPE</p>	<p>D TYPE</p>
<p>E TYPE</p>	<p>F TYPE</p>	<p>G TYPE</p>

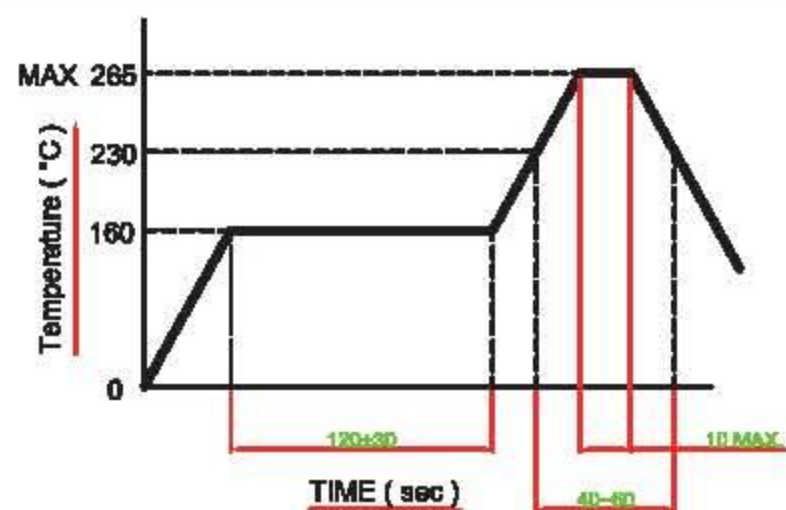
SCHEMATIC



P.C.B LAYOUT



REFLOW SOLDERING



MATERIAL

- COVER : STAINLESS STEEL
- ACTUATOR : LCP+GF
- BASE : LCP+GF
- TERMINAL : BRASS SILVER PLATING
- SPRING PLATE : PHOSPHOR BRONZE SILVER PLATING

