

**TC012 SERIES**  
LED TACT SWITCH



**Feature -**

- medium size, bi-color LED illuminated available
- long electrical life cycles
- SMT and vertical PCB terminal
- symbol film available between the cap and diffuser

**Application -**

- consumer products
- computer products
- instrumentation
- communication equipments

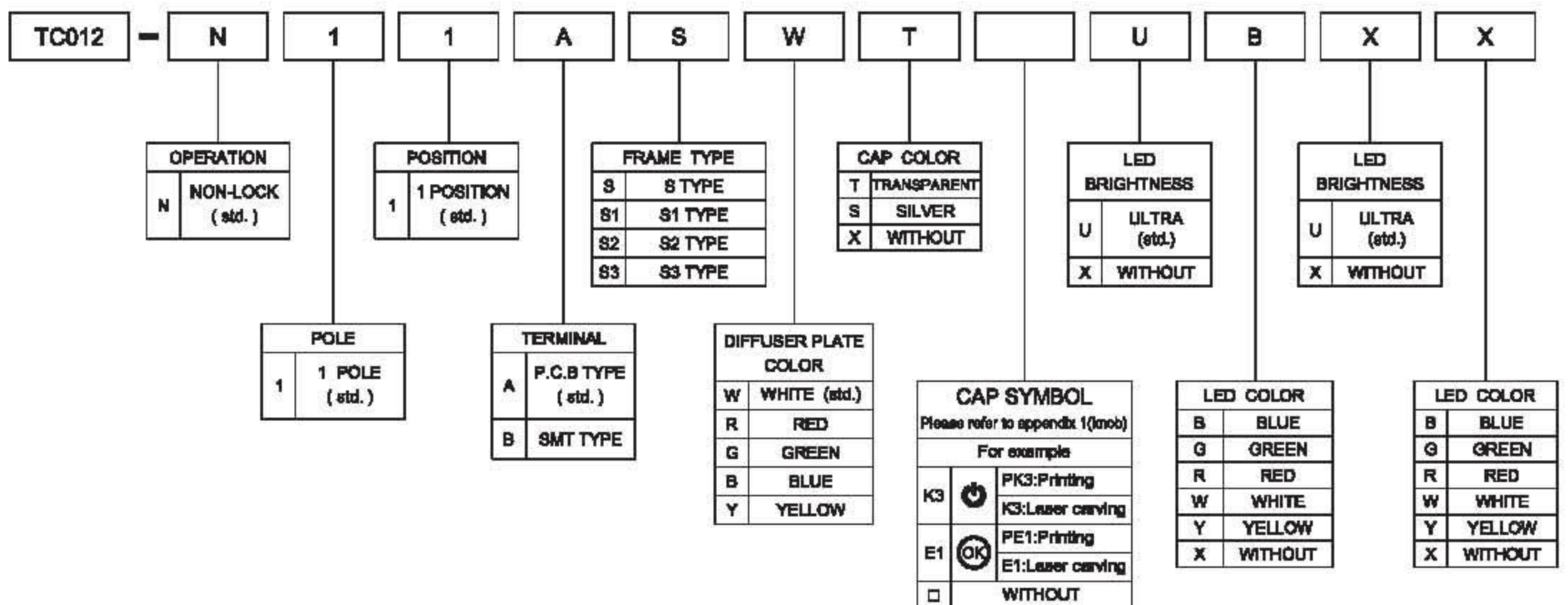
► **SPECIFICATIONS**

SWITCH SPECIFICATIONS	
POLE - POSITION	1P1T , with LED
CONTACT RATING	12 V DC , 50 mA
CONTACT RESISTANCE	100 mΩ MAX. 1.5 V DC ; 100 mA , by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ MIN. 500 V DC
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 500 V AC for 1 Minute
OPERATING FORCE	250 ± 50 gf
OPERATING LIFE	100,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	0.35 ± 0.1 mm

LED SPECIFICATIONS		Unit	Value / LED Color				
			Blue	Green	Red	White	Yellow
ATTENTION LEDs are Electrostatic Sensitive devices							
	FORWARD CURRENT	$I_f$	10	20	20	2	20
REVERSE VOLTAGE	$V_r$	V	5.0	5.0	5.0	5.0	5.0
REVERSE CURRENT	$I_r$	μA	10	10	10	10	10
FORWARD VOLTAGE	$V_f$	V	@ 10mA 3.0-4.0	2.1-2.5	2.0-2.5	@ 2mA 2.8-4.0	2.0-2.5
LUMINOUS INTENSITY	$I_v$	mod	@ 10mA 200	800	1800	@ 2mA 12	1800

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

► **HOW TO ORDER**



▶ **DIMENSION**

TC012-N11ASWT

TC012-N11ASWX

TC012-N11BSWT

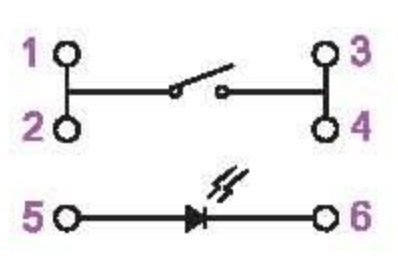
▶ **FRAME TYPE OPTION**

S1 TYPE

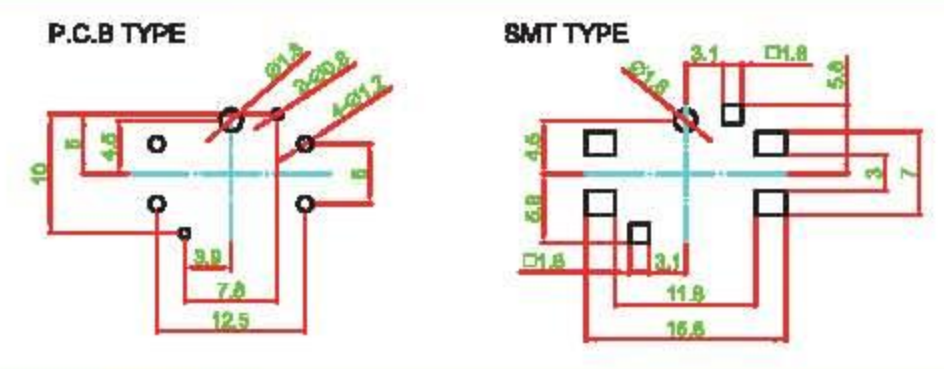
S2 TYPE

S3 TYPE

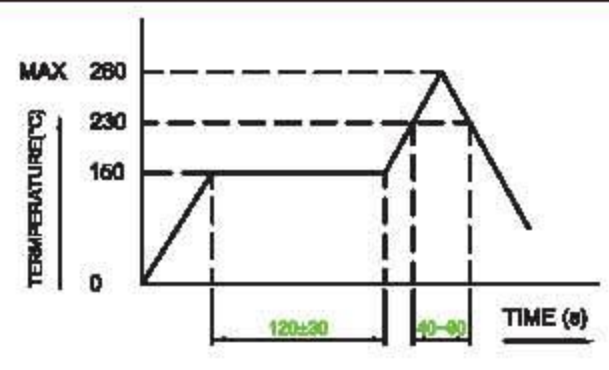
▶ **CIRCUIT**



▶ **P.C.B LAYOUT**



▶ **REFLOW SOLDERING**



▶ **MATERIAL**

- ACTUATOR : PA+GF
- TERMINAL : BRASS GOLD FLASH
- BASE FRAME : PA+GF
- COVER : PC

