



Feature -

- small size
- full color LED illuminated available
- long electrical life cycles
- SMT and vertical PCB termina

Application -

- consumer products
- computer products
- instrumentation
- communication equipments

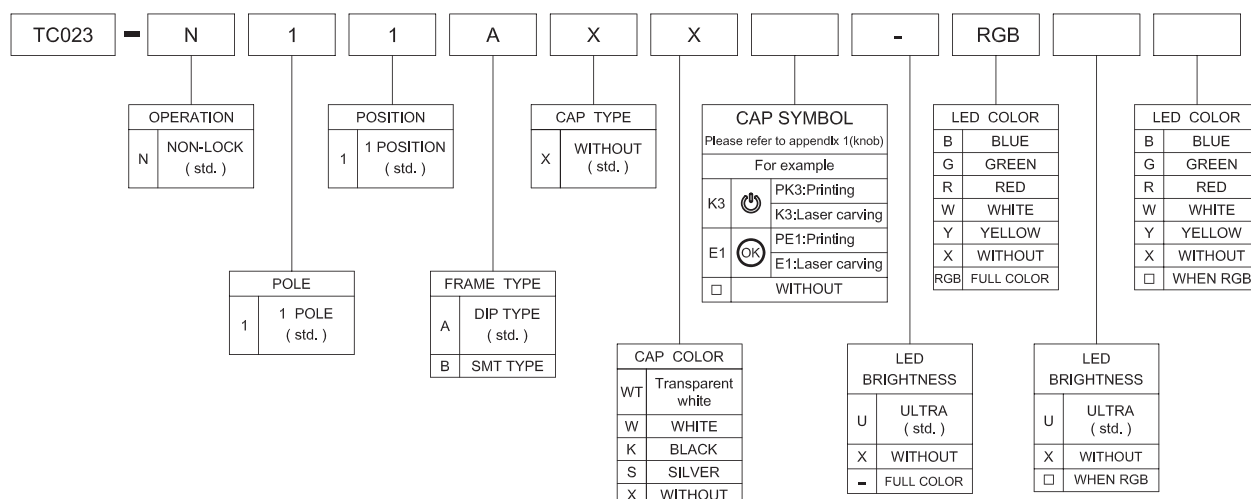
► SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	Momentary action , SPST
CONTACT RATING	12 V DC , 5 mA (MAX.)
CONTACT RESISTANCE	200 Ω MAX. 5 V DC ; 1 A , by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ MIN. 100 V DC for 1 minute
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 250 V AC for 1 Minute
OPERATING FORCE	80 ± 40 gf
OPERATING LIFE	500,000 cycles
OPERATING TEMPERATURE RANGE	-40°C ~ 85°C
TOTAL TRAVEL	0.8 ^{+0.4} _{-0.2} mm

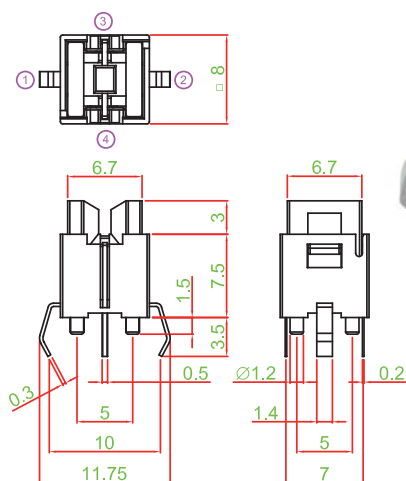
LED SPECIFICATIONS						
 ATTENTION LEDs are Electrostatic Sensitive devices		Unit	Value / LED Color			
			Blue	Green	Red	Yellow
FORWARD CURRENT	If	mA	20	20	20	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	3.5-3.8	2.0-2.5	2.0-2.5	2.0-2.5
LUMINOUS INTENSITY@20mA	Iv	mcd	45	20	80	80

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

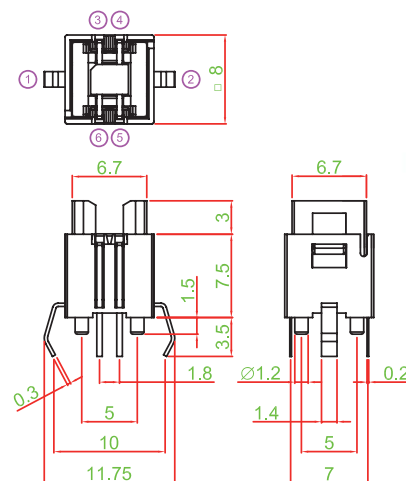
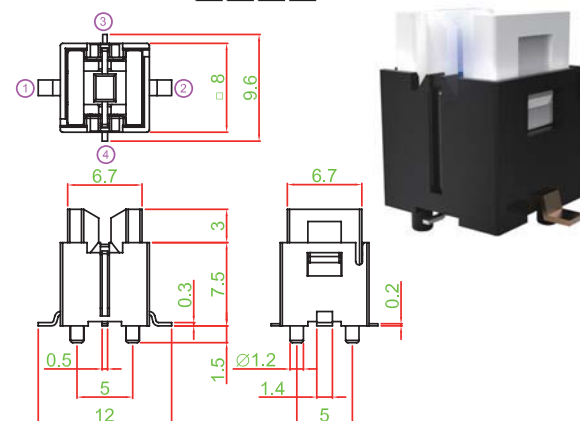
► HOW TO ORDER



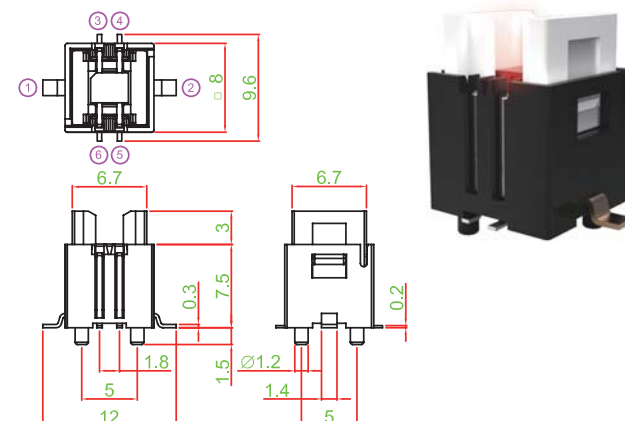
► DIMENSION

TC023-N11AXX 

TC023-N11AXX-RGB

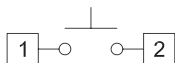
TC023-N11BXX 

TC023-N11BXX-RGB

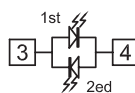


► CIRCUIT

SWITCH :



TWO
COLOR

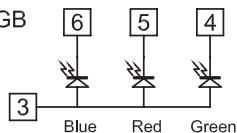


LED :

SINGLE
COLOR



RGB

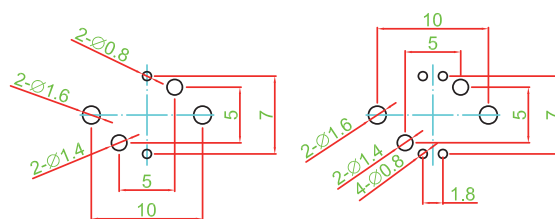


► MATERIAL

- SPRING PLATE : SILICONE
- ACTUATOR : PA+GF
- BASE FRAME : PA+GF
- TERMINAL : BRASS SILVER PLATING

▶ P.C.B LAYOUT

DIP TYPE



SMT TYPE

