

# TC019 SERIES

## LED TACT SWITCH



### Feature -

- small size
- bi-color LED illuminated available
- long life cycles

### Application -

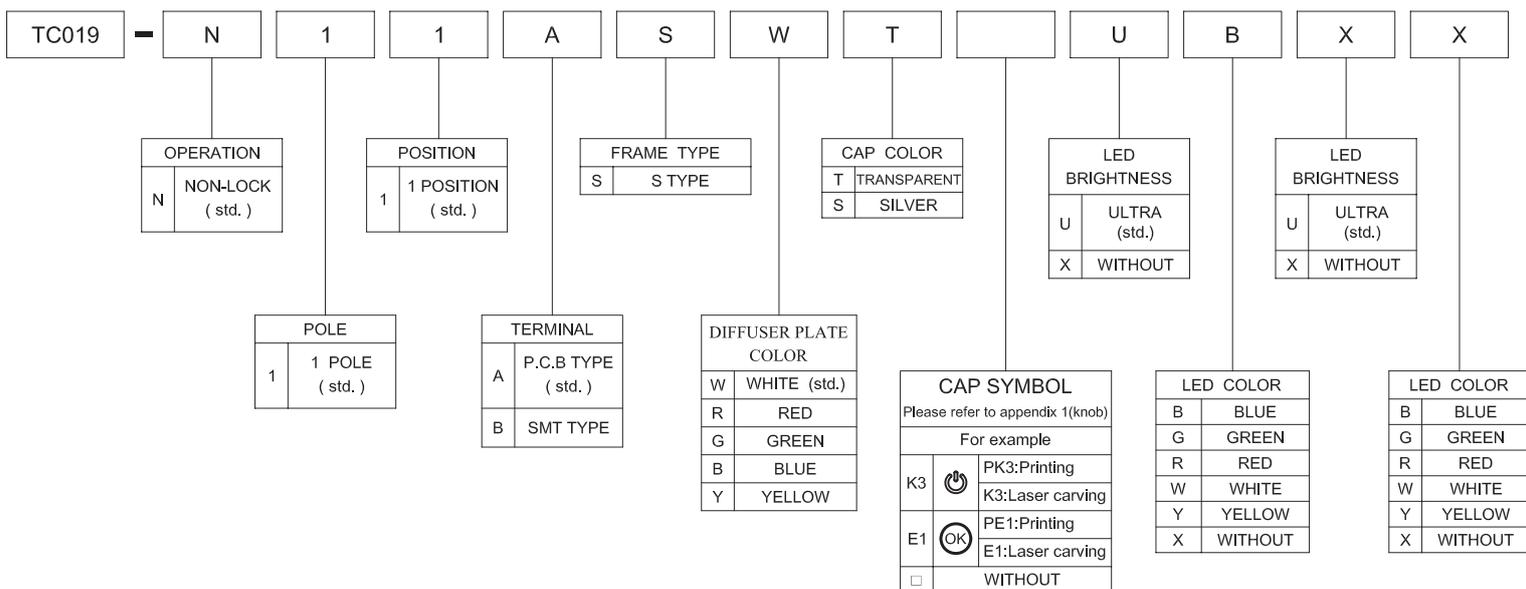
- consumer products
- computer products
- instrumentation
- communication equipments

## ► SPECIFICATIONS

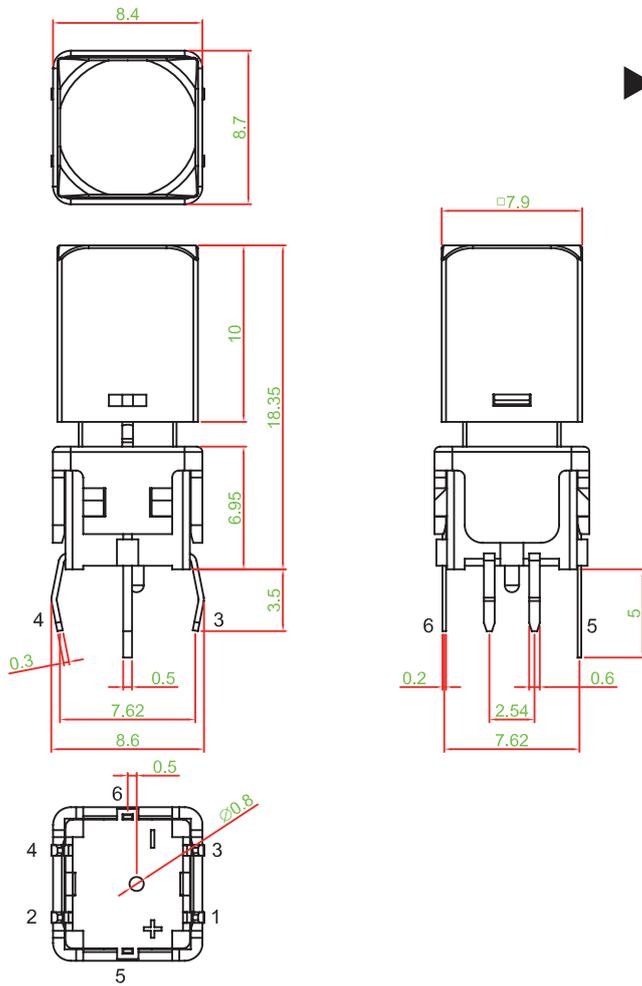
SWITCH SPECIFICATIONS	
POLE - POSITION	Momentary action , SPST
CONTACT RATING	20 V DC , 1 mA
CONTACT RESISTANCE	1Ω MAX. 5 V DC ; 1 mA , by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ MIN. 100 V DC for 1 minute
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 250 V AC for 1 Minute
OPERATING FORCE	125 ± 50 gf
OPERATING LIFE	500,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	1.3 ± 0.1 mm

LED SPECIFICATIONS		Unit	Value / LED Color				
ATTENTION LEDs are Electrostatic Sensitive devices	Symbol		Blue	Green	Red	White	Yellow
		FORWARD CURRENT	If	mA	10	20	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10	10	10
FORWARD VOLTAGE	Vf	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	Iv	mcd	@ 10mA 200	800	1800	@ 2mA 12	1800

## ► HOW TO ORDER



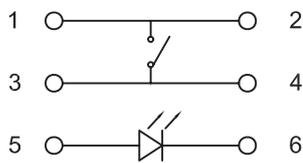
**▶ DIMENSION**



**▶ TC019-N11ASWT** □ □ □ □



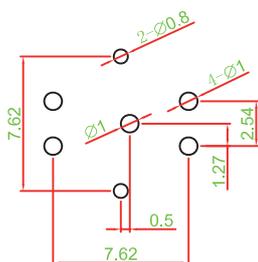
**▶ CIRCUIT DIAGRAM**



**▶ MATERIAL**

- FRAME : PA + GF
- ACTUATOR : PA + GF
- TERMINAL : BRASS ; SILVER PLATING
- DIFFUSER PLATE : PC
- CAP : PC

**▶ P.C.B. LAYOUT**



**▶ UNIT WEIGHT**

- TC019 : 0.95 ± 0.05 g / pc

