

TC011 SERIES

LED TACT SWITCH



Feature -

bi-color LED illuminated available
long life cycles
good tactile feeling

Application -

audio / video products
instrumentation
communication equipments

SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	Momentary Type , SPST with LED
CONTACT RATING	MAX. : 1mA , 20VDC or 5mA , 5VDC MIN. : 1mA , 5VDC
CONTACT RESISTANCE	200 Ω 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±35 gf
OPERATING LIFE	300,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	1.3±0.3mm

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	3.3-4.0	2.1-2.5	2.0-2.5	2.0-2.5
LUMINOUS INTENSITY@20mA	Iv	mcd	1300	700	900	700

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

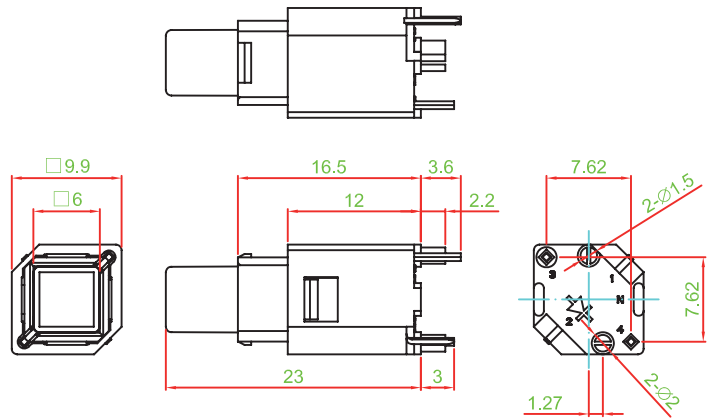
HOW TO ORDER

TC011	-	A	S1	W	X	X	U	R	X	X
		ACTUATOR A A TYPE	CAP		CAP SURFACE		LEFT LED BRIGHTNESS		RIGHT LED BRIGHTNESS	
			S1	6.0mm sq	A	SILVER INK	U	ULTRA (std.)	U	ULTRA (std.)
			S2	8.6mm sq	K	BLACK INK	R	REGULAR	R	REGULAR
			S2A	8.6mm sq	W	WHITE INK	X	WITHOUT	X	WITHOUT
			S3	11.0mm sq	X	WITHOUT				
		S4	11.0mm sq							
		CAP COLOR W WHITE R RED B BLUE N GREEN Y YELLOW T TRANSPARENT								
		CAP SYMBOL Please refer to appendix 1(knob) For example								
			O5		PO5:Printing O5:Laser carving					
			E1		PE1:Printing E1:Laser carving					
			M9		PM9:Printing M9:Laser carving					
			X		WITHOUT					
		LED COLOR B BLUE G GREEN R RED W WHITE Y YELLOW X WITHOUT								
		LED COLOR B BLUE G GREEN R RED W WHITE Y YELLOW X WITHOUT								

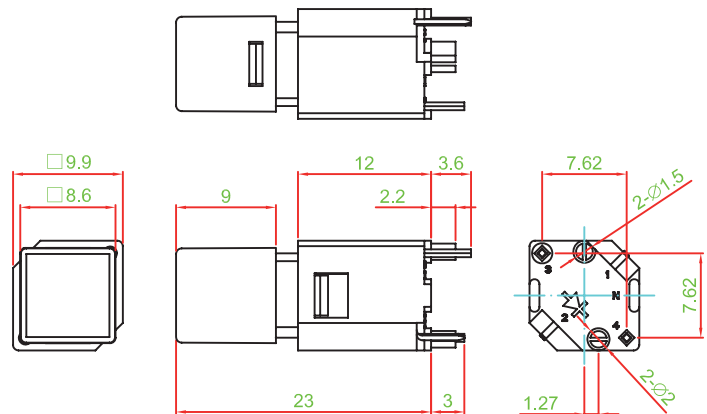


► DIMENSION

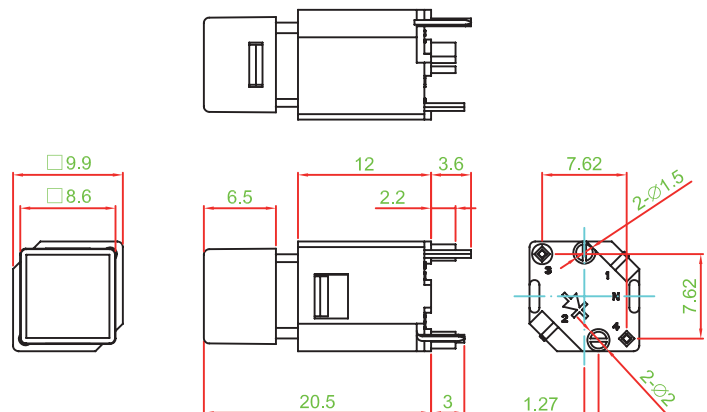
TC011 - A S1 W X X □ □ □ □



TC011 - A S2 B X X □ □ □ □



TC011 - A S2A W X X □ □ □ □

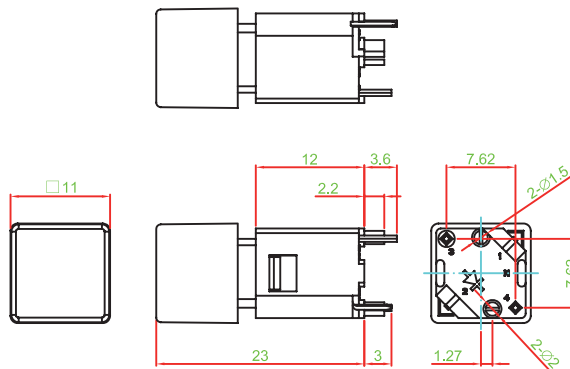


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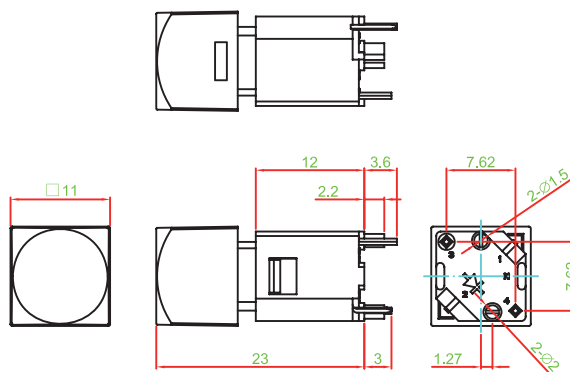
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► DIMENSION

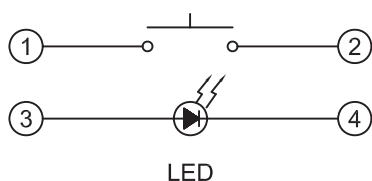
TC011 - A S3 R X X □ □ □ □



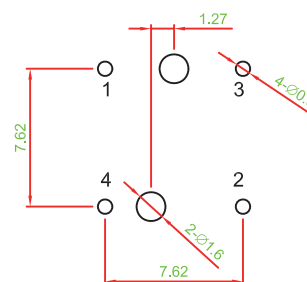
TC011 - A S4 T X X □ □ □ □



► CIRCUIT



► P.C.B LAYOUT



► MATERIAL

- CAP : PC
- ACTUATOR : PA + GF
- BASE FRAME : PA + GF
- TERMINAL : BRASS GOLD PLATING

► UNIT WEIGHT

- TC011 - A S1 W X X □ □ □ □ : 1.62 ± 0.05 g / pc
- TC011 - A S2 W X X □ □ □ □ : 1.76 ± 0.05 g / pc
- TC011 - A S3 W X X □ □ □ □ : 2.16 ± 0.05 g / pc
- TC011 - A S4 T X X □ □ □ □ : 2.16 ± 0.05 g / pc

CAP SYMBOL

[illegible]