



Feature -

- water proof IP67 sealed
- bi-color LED illuminated available
- long life cycles
- good tactile feeling

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
SEALING	IP67

LED SPECIFICATIONS							
 ATTENTION LEDs are Electrostatic Sensitive devices	 (+) ○ — (−)	Unit	Value / LED Color				
			Blue	Green	Red	White	Yellow
FORWARD CURRENT	If	mA	10	20	20	2	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

TC014	-	N	1	1	A	S	W	T		U	B	X	X
		OPERATION		POSITION		FRAME TYPE		CAP COLOR		LED BRIGHTNESS		LED BRIGHTNESS	
		N	NON-LOCK (std.)	1	1 POSITION (std.)	S	SQUARE	T	TRANSPARENT	U	ULTRA (std.)	U	ULTRA (std.)
						R	ROUND	S	SILVER	X	WITHOUT	X	WITHOUT
		POLE		TERMINAL		DIFFUSER PLATE COLOR		CAP SYMBOL		LED COLOR		LED COLOR	
		1	1 POLE (std.)	A	P.C.B TYPE (std.)	W	WHITE (std.)	Please refer to appendix 1(knob)		B	BLUE	B	BLUE
				B	SMT TYPE	R	RED	For example		G	GREEN	G	GREEN
						G	GREEN	K3	PK3:Printing K3:Laser carving	R	RED	R	RED
						B	BLUE	E1	PE1:Printing E1:Laser carving	W	WHITE	W	WHITE
						Y	YELLOW		WITHOUT	Y	YELLOW	Y	YELLOW
										X	WITHOUT	X	WITHOUT

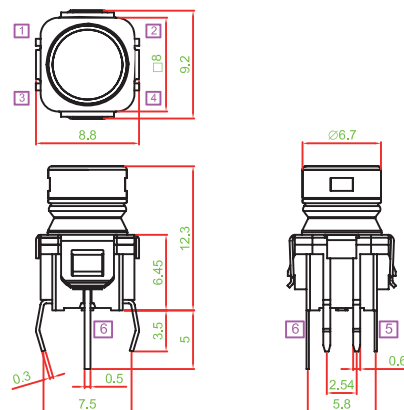


TC014 SERIES

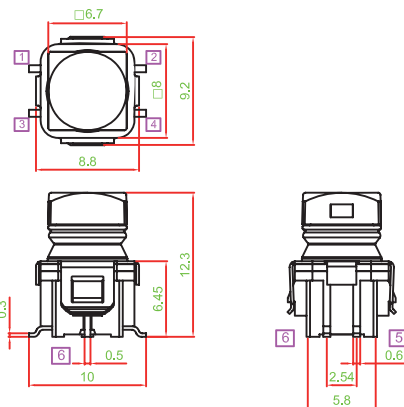
LED TACT SWITCH

► P.C.B LAYOUT

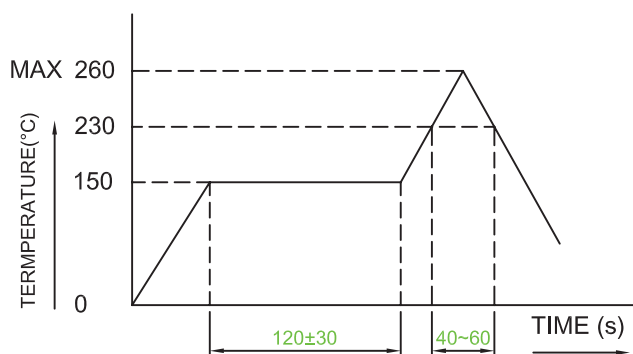
TC014-N11ARWT □ □ □ □



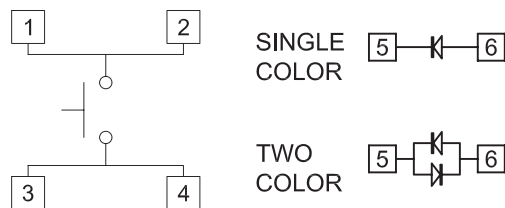
TC014-N11BSWT □ □ □ □



► REFLOW SOLDERING



► CIRCUIT

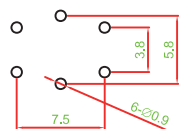


► MATERIAL

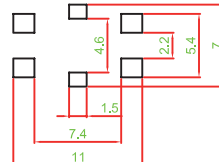
- CAP - PC
- DIFFUSER PLATE - SILICON
- ACTUATOR - PA
- BASE FRAME - PA
- COVER - SUS
- TERMINAL - BRASS SILVER PLATING

► P.C.B LAYOUT

DIP TYPE



SMT TYPE



CAP SYMBOL

[illegible]