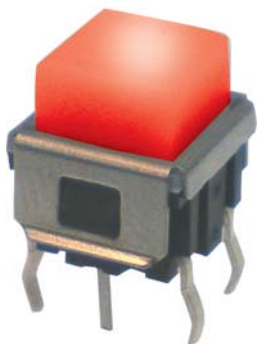


TC002W SERIES

LED TACT SWITCH



Feature -

water proof IP67 sealed
bi-color LED illuminated available

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	300 ± 100 gf
OPERATING LIFE	500,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	0.2 ± 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	

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

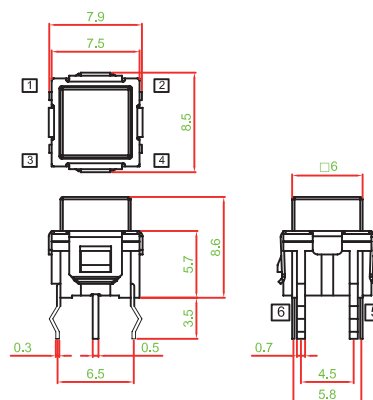
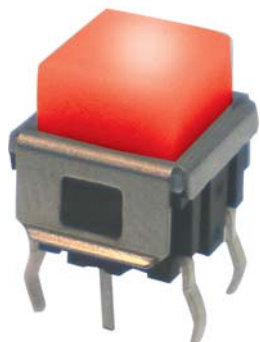
HOW TO ORDER

TC002W	-	N	1	1	A	S	W		U	B	U	R	
		OPERATION		POSITION		FRAME TYPE		CAP SYMBOL		LED COLOR		LED COLOR	
		N NON-LOCK (std.)		1 1 POSITION (std.)		S SQUARE		Please refer to appendix 1(knob) For example K3  PK3:Printing K3:Laser carving E1  PE1:Printing E1:Laser carving ☐ WITHOUT		B BLUE G GREEN R RED W WHITE Y YELLOW X WITHOUT RGB FULL COLOR		B BLUE G GREEN R RED W WHITE Y YELLOW X WITHOUT ☐ WHEN RGB	
		POLE		TERMINAL		CAP COLOR		LED BRIGHTNESS		LED BRIGHTNESS			
		1 1 POLE (std.)		A P.C.B TYPE (std.) B SMT TYPE		W WHITE K BLACK S SILVER		U ULTRA (std.) R REGULAR X WITHOUT - FULL COLOR		U ULTRA (std.) R REGULAR X WITHOUT ☐ WHEN RGB			

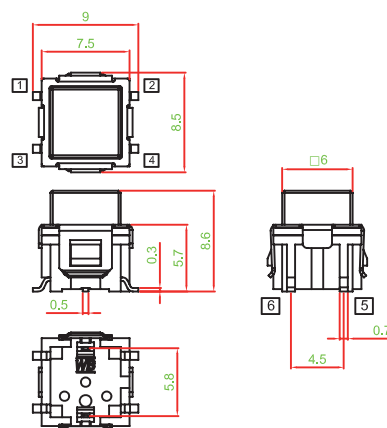
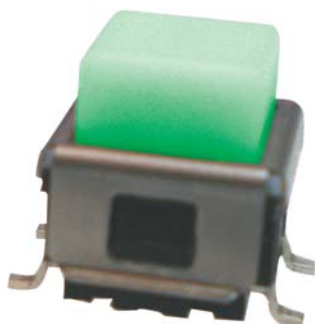


► P.C.B LAYOUT

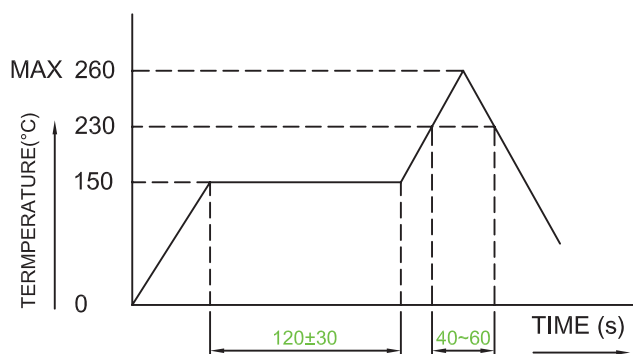
TC002W-N11ASW □ □ □ □



TC002W-N11BSW □ □ □ □



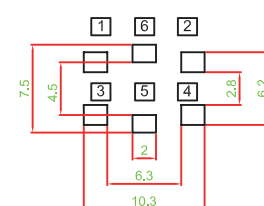
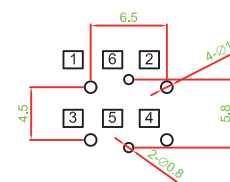
► REFLOW SOLDERING



► P.C.B LAYOUT

DIP TYPE

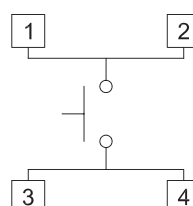
SMT TYPE



► MATERIAL

- COVER - SILICON
- ACTUATOR - PA
- BASE FRAME - PA
- COVER - SUS
- TERMINAL - BRASS SILVER PLATING

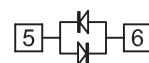
► CIRCUIT



SINGLE COLOR



TWO COLOR



CAP SYMBOL

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A	0	1	2	3	4	5	6	7	8	9										
B	A	B	C	D	E	F	G	H	I	J										
C	K	L	M	N	O	P	Q	R	S	T										
D	U	V	W	X	Y	Z	POWER	ON OFF	ON	OFF										
E	OK		Auto	Enter	Start	STOP	OPEN	CLOSE	Exit	Move										
F	SET	Reset	Light	Alarm	Menu	Next	Back	Delete	Motor	Save										
G	Up	Down	Right	Left	Test	End	Insert	Lock	Print	+/-										
H	ESC	BC.	HOME	Health	D-LED 2	OC GENIE	VIDEO INPUT	clr CMOS	Green Power	Save OK										
I				F1	F2	F3	F4	F5	F6	F7										
J	F8	F9	F10	F11	F12	F13	F14	IN 1	IN 2	IN 3										
K	IN 4	IN 5	IN 6																	
L																				
M																				
N																				
O																				
P																				
Q	ME3	ME4	BGND 3D DVE1	BGND 3D DVE2	BUS COLOR	ME BUTTON LINK	*	INSERT 	WIPE											
R		ALL		VP		COPY		RECORD MODE												
S																				
T																				
U																				
V																				
W																				
X																				
Y																				
Z																				