

Feature -

- noiseless, conductive rubber
- light click feeling
- full color LED illuminated available
- long electrical life cycles

Application -

- audio / video products
- instrumentation
- communication equipments

► **SPECIFICATIONS**

SWITCH SPECIFICATIONS	
POLE - POSITION	OFF - <ON> for Momentary Type , SPST
CONTACT RATING	MAX : 1mA , 20VDC or 5mA , 5VDC MIN : 1mA , 5VDC
CONTACT RESISTANCE	200 Ω MAX.
INSULATION RESISTANCE	100 MΩ MIN. 100 V DC
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 250 V AC for 1 Minute
OPERATING FORCE	125 ± 35 gf
OPERATING LIFE	1,000,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	1.25 ± 0.3 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	3.3-4.0	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 .

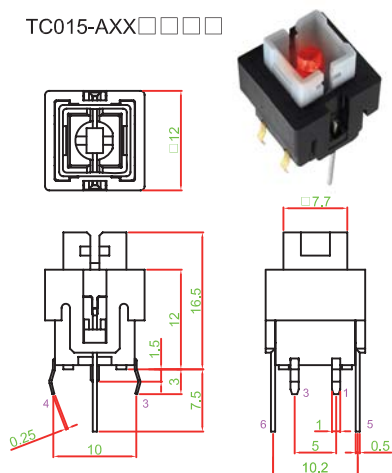
► **HOW TO ORDER**

TC015	-	A	S3	W		-	RGB		
		CAP		CAP SYMBOL		LED1 COLOR		LED2 COLOR	
		S1	S1 TYPE	Please refer to appendix 1(knob)		B	BLUE	B	BLUE
		S2	S2 TYPE	For example		G	GREEN	G	GREEN
		S3	S3 TYPE	K3: PK3:Printing		R	RED	R	RED
		X	WITHOUT	K3: Laser carving		W	WHITE	W	WHITE
				E1: PK1:Printing		Y	YELLOW	Y	YELLOW
				E1: Laser carving		X	WITHOUT	X	WITHOUT
				□		RGB	FULL COLOR	□	WHEN RGB
		FRAME TYPE		CAP COLOR		LED1 BRIGHTNESS		LED2 BRIGHTNESS	
		A	A TYPE	W		U	ULTRA (std.)	U	ULTRA (std.)
				B		X	WITHOUT	X	WITHOUT
				Y		-	FULL COLOR	□	WHEN RGB
				R					
				N					
				S					
				K					
				X					

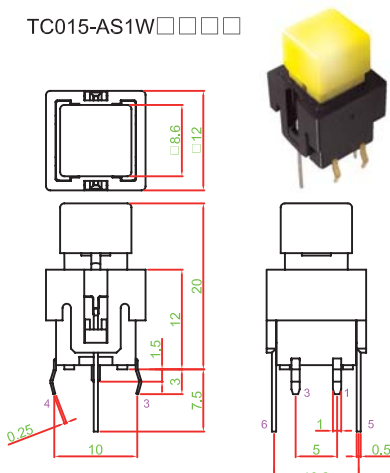


▶ DIMENSION

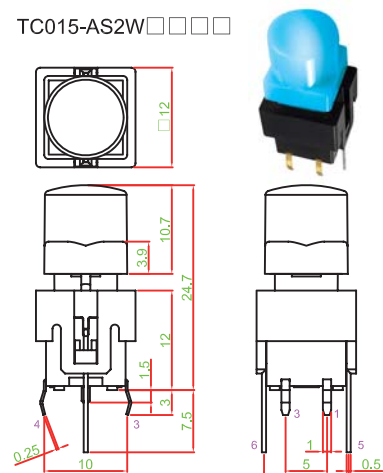
TC015-AXX□□□□



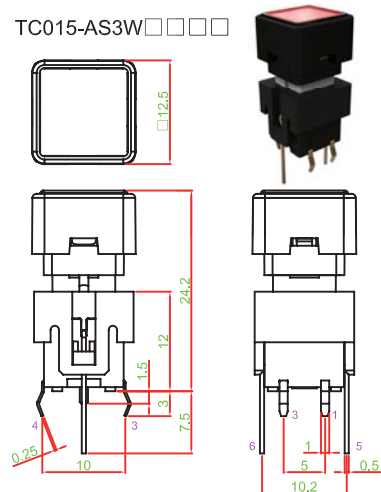
TC015-AS1W□□□□



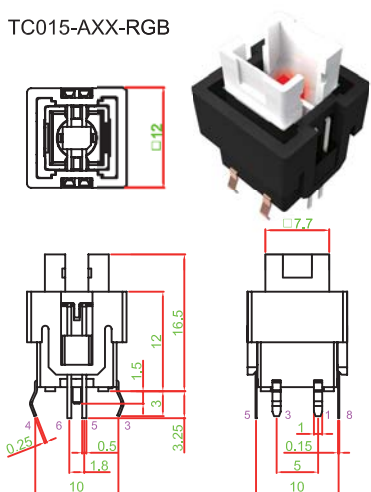
TC015-AS2W□□□□



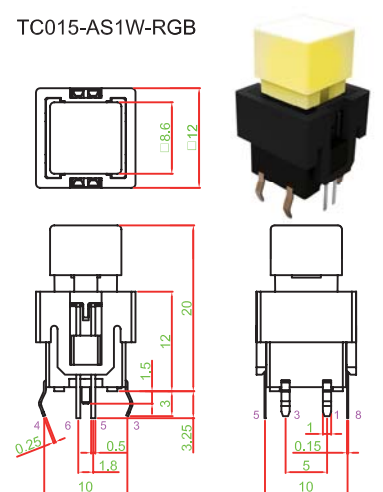
TC015-AS3W□□□□



TC015-AXX-RGB

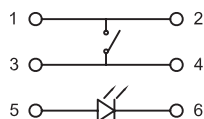


TC015-AS1W-RGB

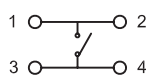


▶ CIRCUIT

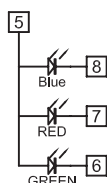
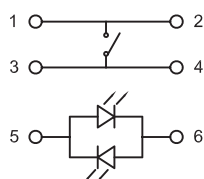
SINGLE COLOR LED :



FULL COLOR LED :

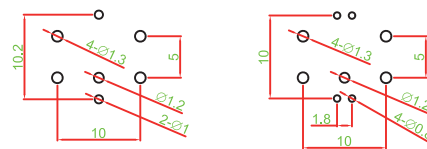


TWO COLOR LED :



▶ P.C.B LAYOUT

LED : RGB



▶ MATERIAL

- ACTUATOR : POM
- TERMINAL : BRASS GOLD PLATING
- FRAME : STEEL PLATE
- SPRING : STAINLESS STEEL

	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	10	11	12	13	14	15	16	17	18	19
B	A	B	C	D	E	F	G	H	I	J	CH5	CH6	DSK	PIP	C-KEY	CUT	TAKE	REC	ENG	PROD
C	K	L	M	N	O	P	Q	R	S	T	REPLAY	RET1	RET2	KEY ON	AUTO TAKE					
D	U	V	W	X	Y	Z	POWER	ON OFF	ON	OFF		USER A	USER B	USER C	USER D	USER E	USER F	USER G	USER H	USER I
E	OK		Auto	Enter	Start	STOP	OPEN	CLOSE	Exit	Move	USER J									
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	B/R +	Undo Cancel	T/L -	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	+	-	x	÷	=	↑	→	▲	▶	▶▶										
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			MUTE																	
T			group																	
U			chair																	
V			OC			CLEAR	CROSS WIND	AMMO TEMP	BARO PRESS	AIR TEMP										
W	BORE-SIGHT	CANT	LEAD	RANGE	MRS	ZERO	TEST	UD	LR											
X	ID	Disp	MF	GALL		BAND	SETUP	MODE	LINK	FUNC.										
Y	SHIFT					DEL														
Z				RUN	2D	3D	CH1	CH2	CH3	CH4										

Mouser Electronics

Authorized Distributor

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[TC015-AS1WUBXX](#) [TC015-AS1WURUG](#) [TC015-AS1WUWXX](#) [TC015-AS1WUYXX](#) [TC015-AS2WUWXX](#)