



Feature -

small size
bi-color LED illuminated available
right angle and vertical PCB terminal
SPDT, DPDT, lock / non-lock function

Application -

consumer products
computer products
instrumentation
communication equipments

► SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	1P2T LOCK / NON-LOCK Action with LED
CONTACT RATING	30 VDC , 0.1A / 5 VDC , 0.1mA
CONTACT RESISTANCE	50 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	250 ± 100 gf
OPERATING LIFE	50,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	TRAVEL - 0.7 ± 0.3 mm FULL TRAVEL - 1.5 ± 0.3 mm

LED SPECIFICATIONS							
 ATTENTION LEDs are Electrostatic Sensitive devices	 (+) ——— (–)	Unit	Value / LED Color				
			Blue	Green	Red	White	Yellow
FORWARD CURRENT	I_f	mA	10	20	20	2	20
REVERSE VOLTAGE	V_r	V	5.0	5.0	5.0	5.0	5.0
REVERSE CURRENT	I_r	μ A	10	10	10	10	10
FORWARD VOLTAGE	V_f	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	I_v	mcd	@ 10mA 200	800	1800	@ 2mA 12	@ 2mA 1800

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

► HOW TO ORDER

PS004 - **L** **2** **2** **N** **P** **X** **X** **X** **U** **G** **X** **X**

OPERATION

N	NON-LOCK (std.)
L	LOCK TYPE
T	TACTILE

POLE

2	2 POLE (std.)
1	1 POLE

POSITION

2	2 POSITION (std.)
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TERMINAL

P	P,C,B TYPE (std.)
R	RIGHT ANGLE TYPE
R1	RIGHT ANGLE TYPE 1
R2	RIGHT ANGLE TYPE 2
R3	RIGHT ANGLE TYPE 3
R4	RIGHT ANGLE TYPE 4

TIMING

N	NON - SHORTING (std.)
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FRAME

X	WITHOUT
S1	SQUARE
S2	SQUARE
S2H	SQUARE
S3	SQUARE
R1	ROUND
R1A	ROUND
R2	ROUND
R2.1	ROUND
R2H	ROUND
R2A	ROUND H=6,2
R2B	ROUND H=7,2
R2C	ROUND
R2D	ROUND
R3	ROUND

HOUSING COLOR

K	BLACK (std.)
G	GRAY
W	WHITE
X	WITHOUT

CAP SYMBOL
Please refer to appendix 1(knob)

For example

K3	 PK3:Printing
	K3:Laser carving
E1	 PE1:Printing
	E1:Laser carving
	WITHOUT

CAP COLOR

T	Transparent (std.)
X	WITHOUT
N	GREEN
R	RED
Y	YELLOW
B	BLUE
S	SILVER

LED BRIGHTNESS

U	ULTRA (std.)
R	REGULAR
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

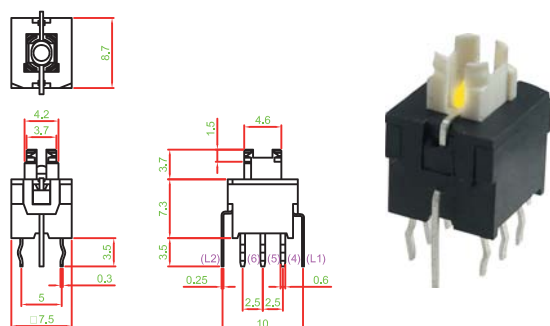
LED COLOR

B	BLUE
G	GREEN
R	RED
W	WHITE
Y	YELLOW
X	WITHOUT

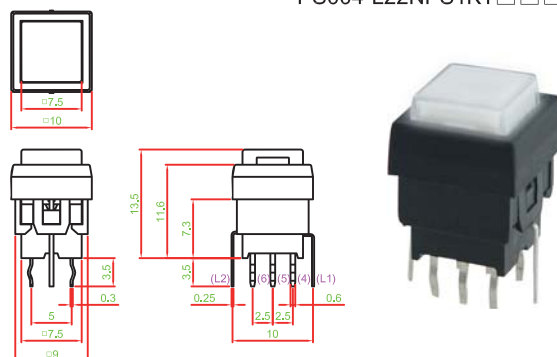


► DIMENSION

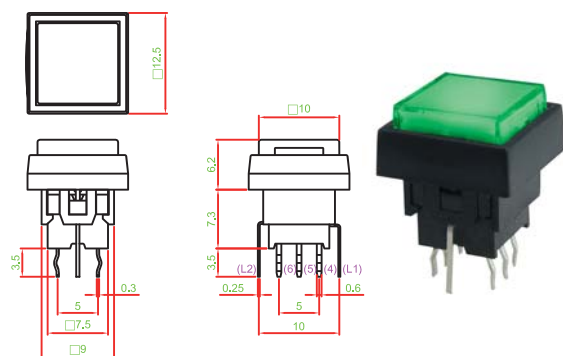
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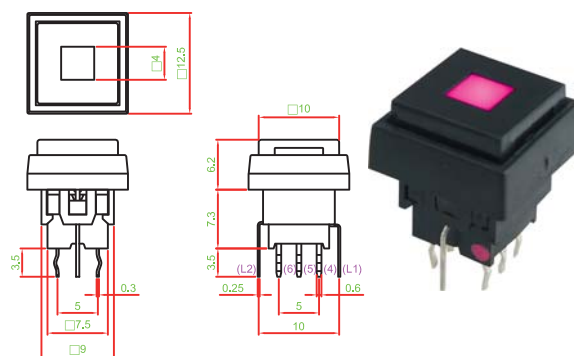
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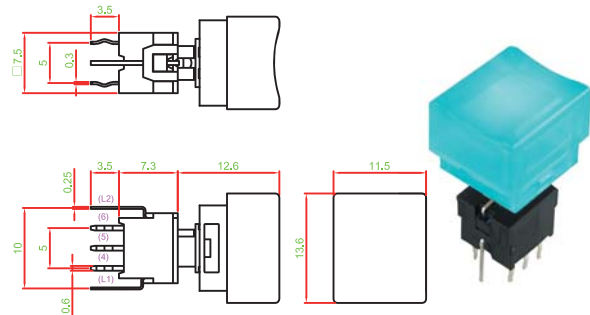
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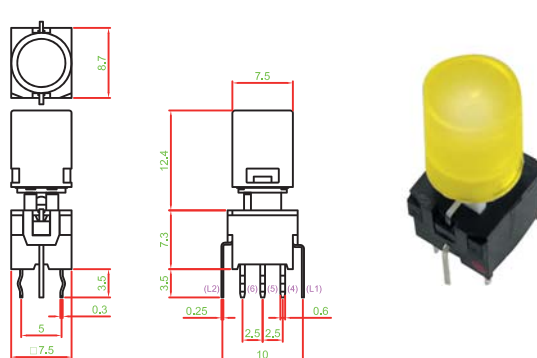
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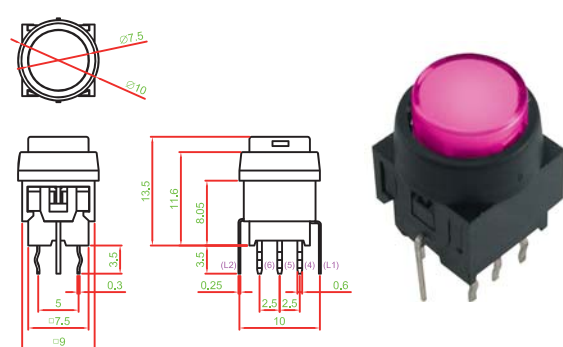
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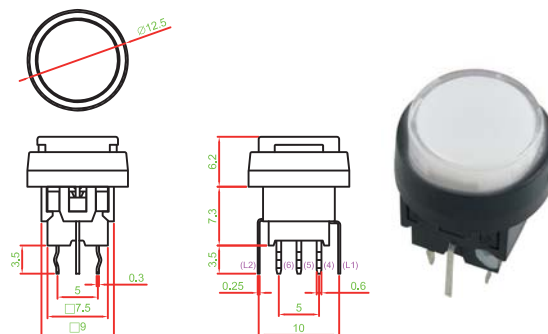
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PS004-L22NPR1KT□□□□

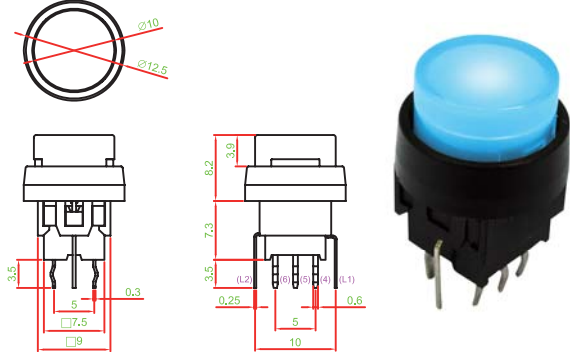


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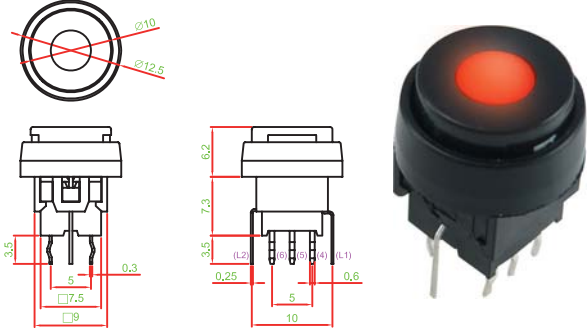


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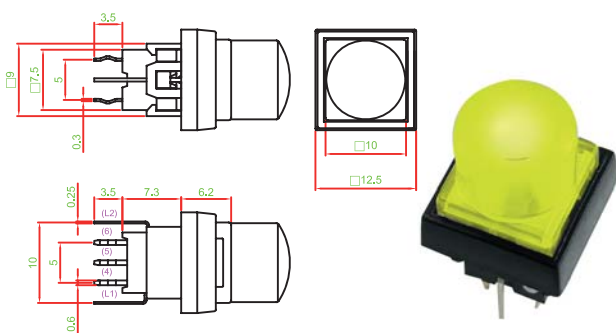
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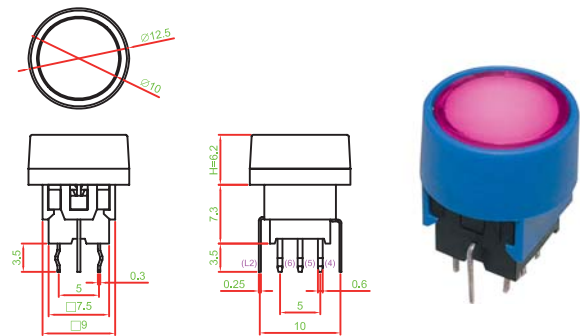
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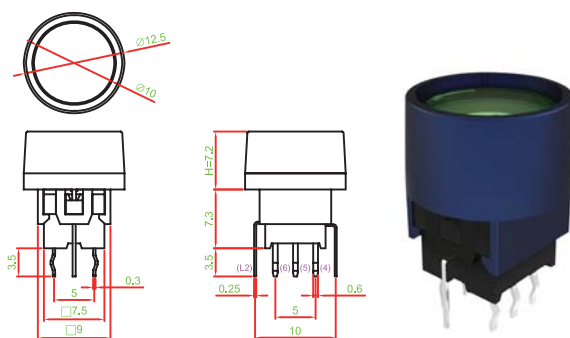
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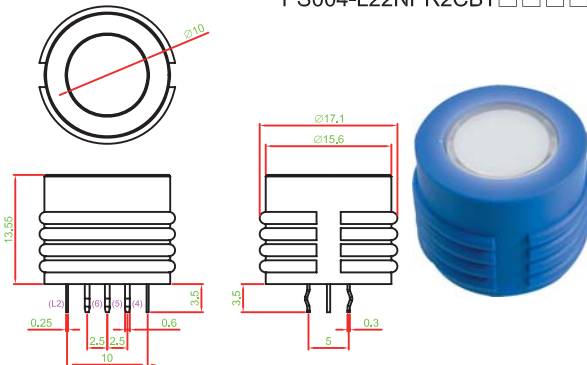
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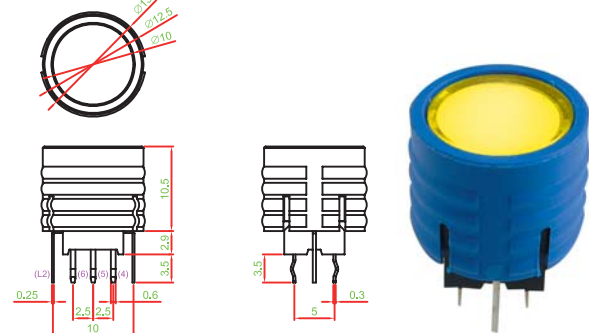
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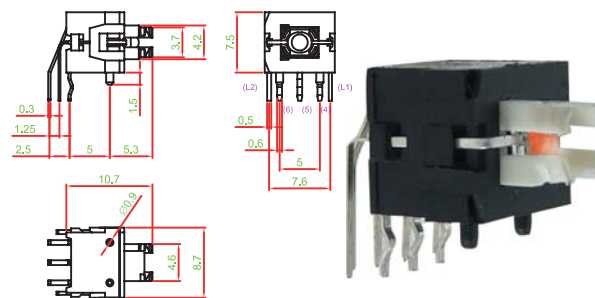
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PS004-L22NPR2DBT□□□□

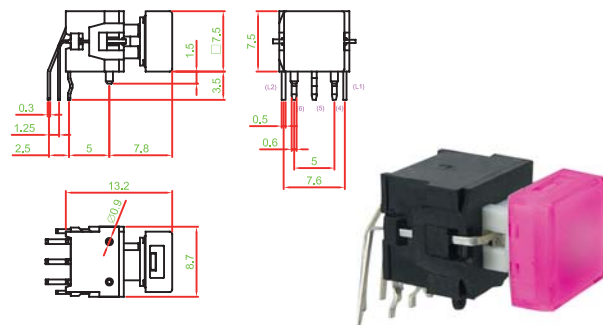


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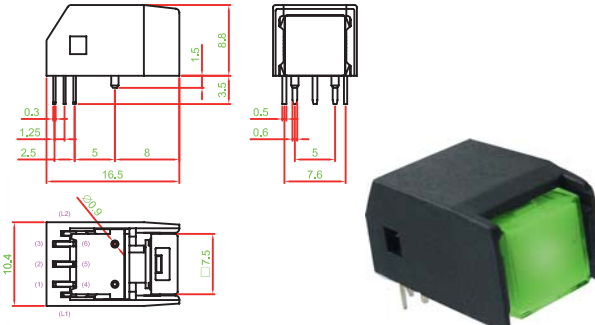


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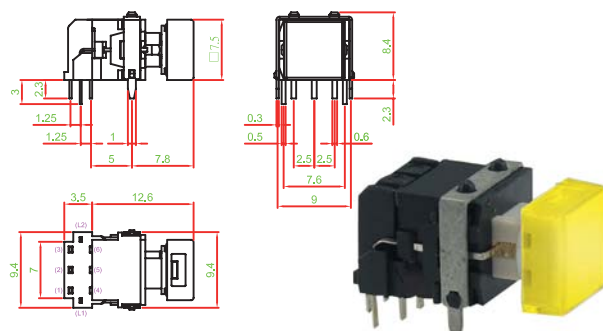
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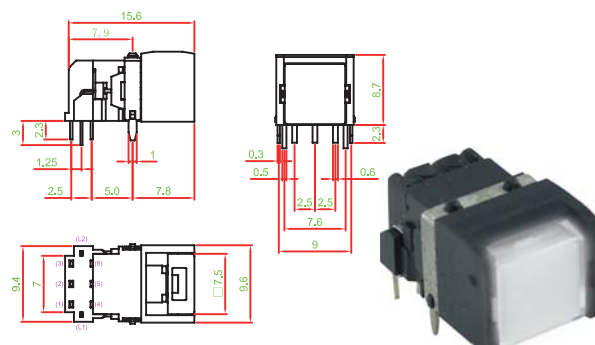
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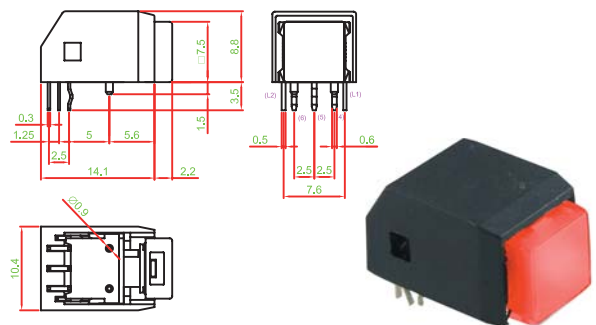
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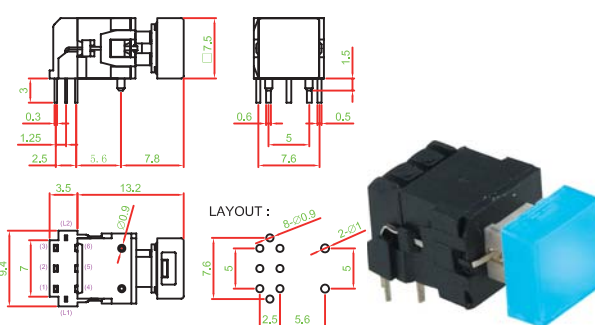
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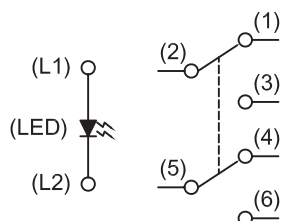
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PS004-N22NR4S1XT□□□□

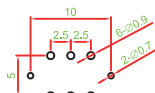


► CIRCUIT DIAGRAM

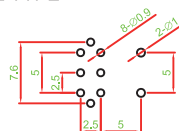


► P.C.B. LAYOUT

STANDARD TYPE



RIGHT ANGLE TYPE



► MATERIAL

- FRAME : PA + GF
- ACTUATOR : PA + GF
- BASE : PA + GF
- TERMINAL : BRASS ; SILVER PLATING
- 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	PROG
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										

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