



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

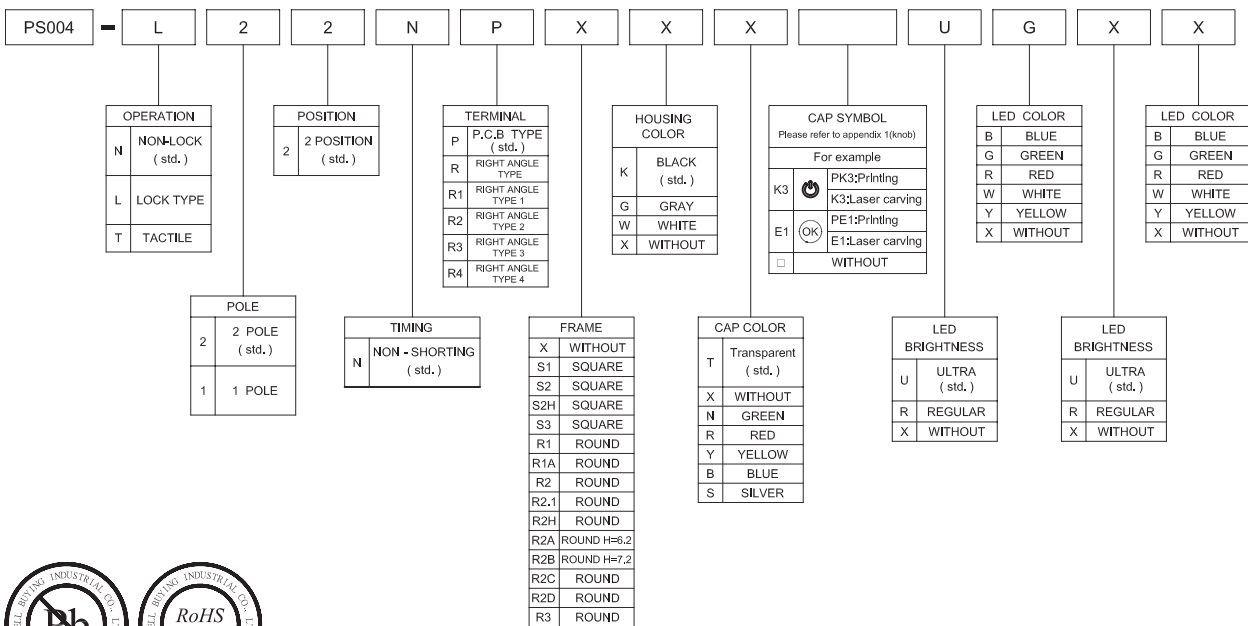
SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	1P2T , 2P2T 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		Unit	Value / LED Color				
			Blue	Green	Red	White	Yellow
ATTENTION LEDs are Electrostatic Sensitive devices	(+) ○ — ○ (-)						
	FORWARD CURRENT	If	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.

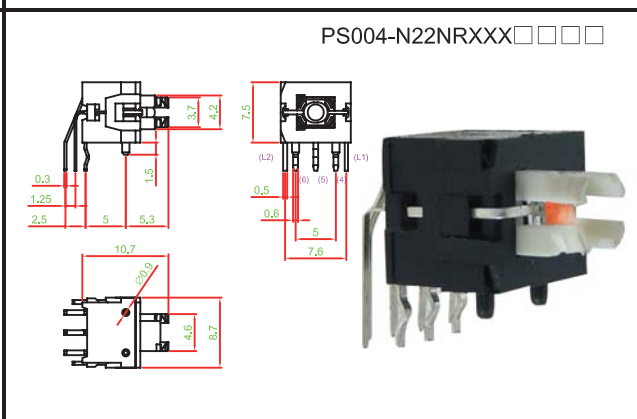
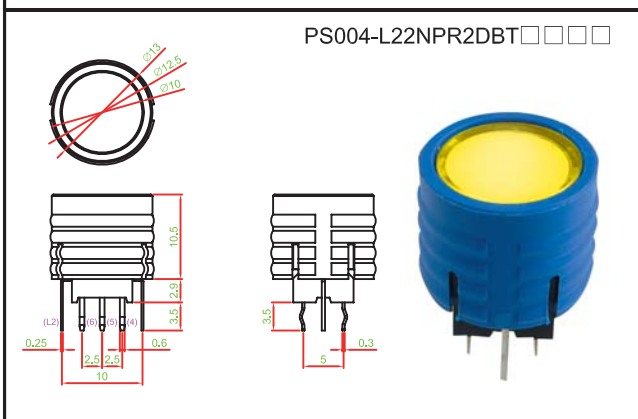
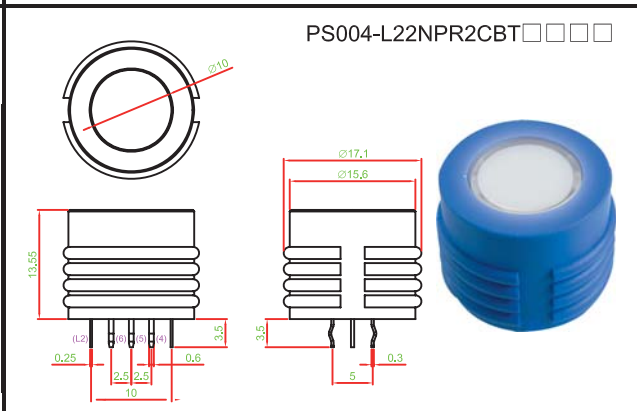
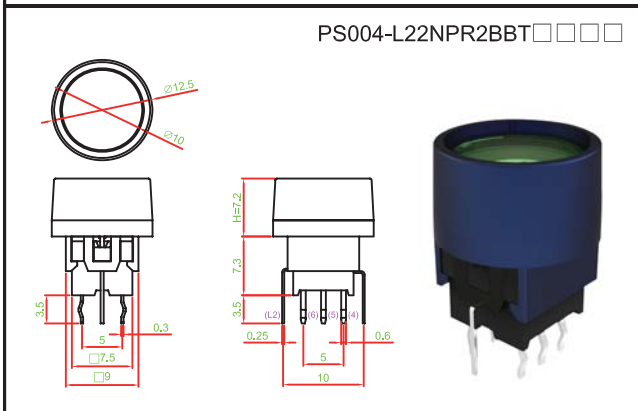
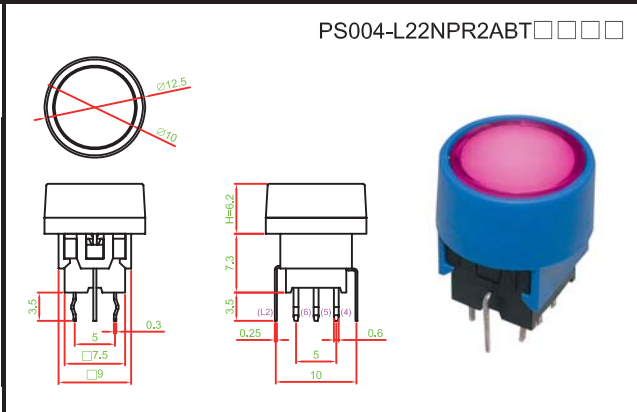
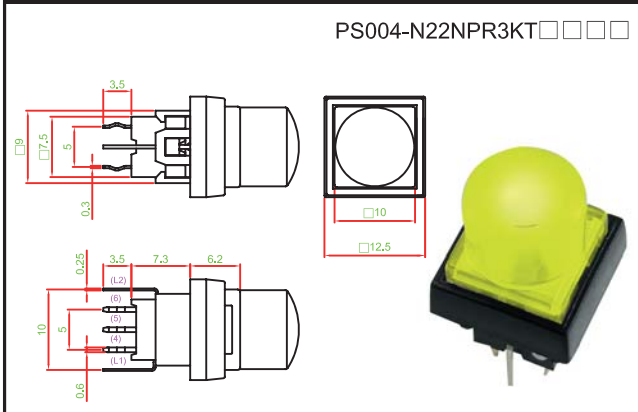
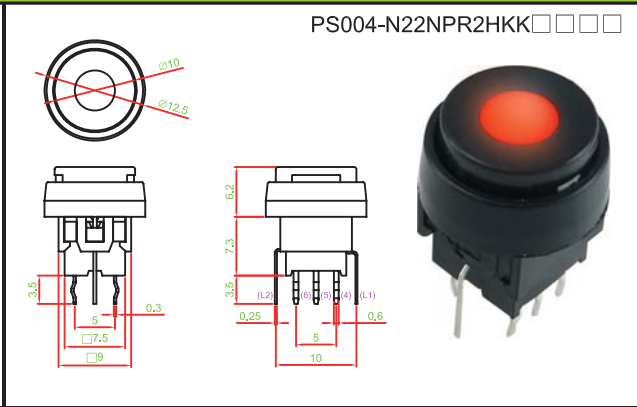
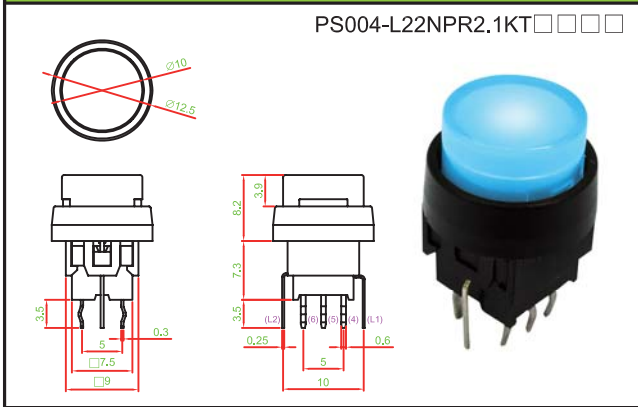
HOW TO ORDER



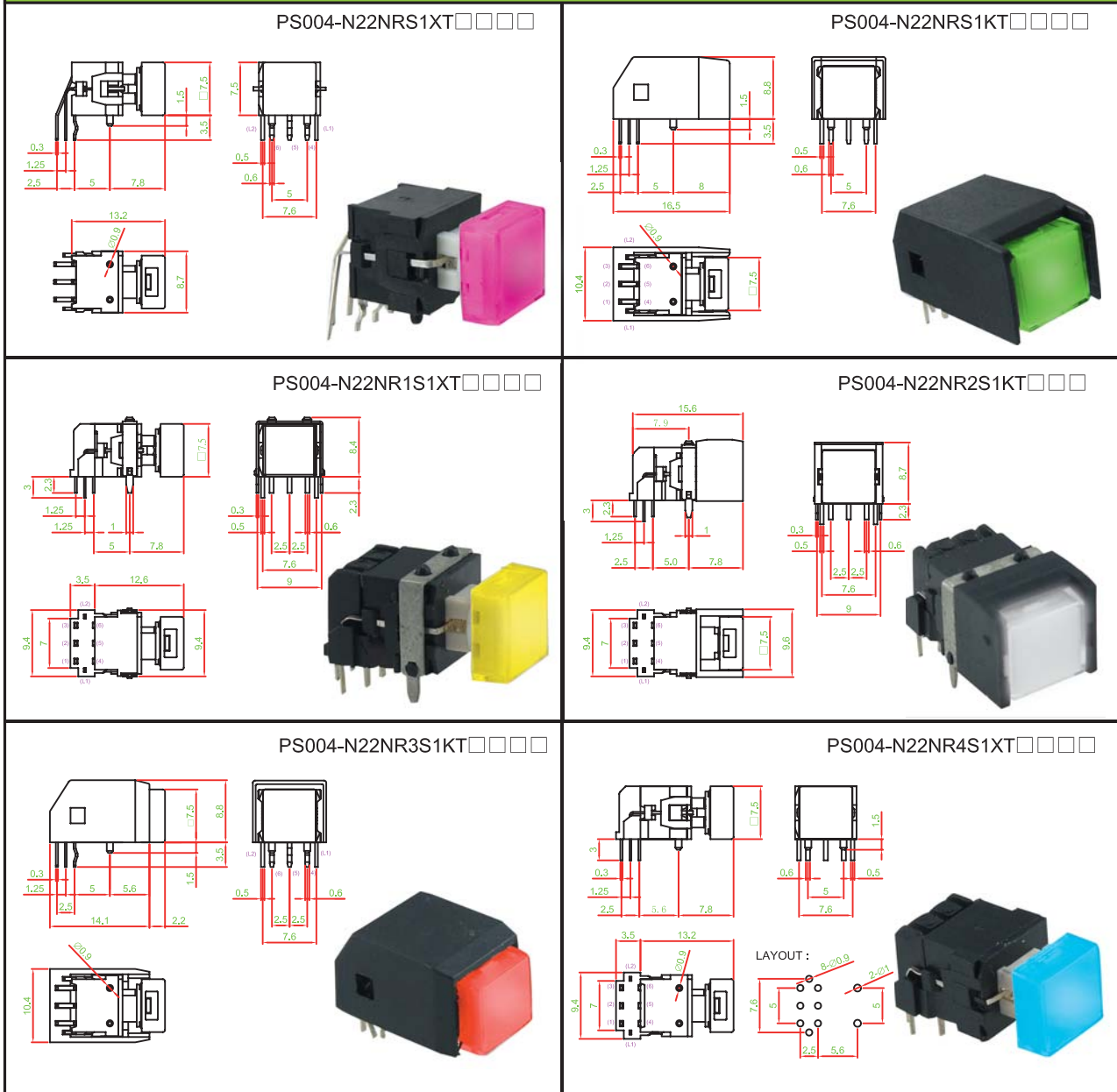
DIMENSION

<p>PS004-L22NPXXX□□□□</p> <p>Technical drawing showing dimensions: 0.7, 4.2, 3.7, 1.5, 4.6, 3.7, 7.3, 3.5, 0.25, 5, 0.3, 7.5, 10, 2.5, 2.5, 0.6, (L2), (6), (5), (4), (L1).</p>	<p>PS004-L22NPS1KT□□□□</p> <p>Technical drawing showing dimensions: 7.5, 10, 13.5, 11.6, 7.3, 3.5, 0.25, 5, 0.3, 7.5, 9, 2.5, 2.5, 0.6, (L2), (6), (5), (4), (L1).</p>
<p>PS004-N22NPS2KT□□□□</p> <p>Technical drawing showing dimensions: 12.5, 10, 6.2, 7.3, 3.5, 0.25, 5, 0.3, 7.5, 9, 10, 0.6, (L2), (6), (5), (4), (L1).</p>	<p>PS004-N22NPS2HKK□□□□</p> <p>Technical drawing showing dimensions: 12.5, 4, 10, 6.2, 7.3, 3.5, 0.25, 5, 0.3, 7.5, 9, 10, 0.6, (L2), (6), (5), (4), (L1).</p>
<p>PS004-L22NPS3XT□□□□</p> <p>Technical drawing showing dimensions: 7.5, 3.5, 5, 0.3, 10, 0.25, 3.5, 7.3, 12.6, 11.5, 13.6, 0.6, (L2), (6), (5), (4), (L1).</p>	<p>PS004-L22NPR1AXT□□□□</p> <p>Technical drawing showing dimensions: 8.7, 7.5, 12.4, 7.3, 3.5, 0.25, 5, 0.3, 7.5, 9, 2.5, 2.5, 0.6, (L2), (6), (5), (4), (L1).</p>
<p>PS004-L22NPR1KT□□□□</p> <p>Technical drawing showing dimensions: 7.5, 10, 13.5, 11.6, 8.05, 3.5, 0.25, 5, 0.3, 7.5, 9, 10, 2.5, 2.5, 0.6, (L2), (6), (5), (4), (L1).</p>	<p>PS004-N22NPR2KT□□□□</p> <p>Technical drawing showing dimensions: 12.5, 6.2, 7.3, 3.5, 0.25, 5, 0.3, 7.5, 9, 10, 0.6, (L2), (6), (5), (4), (L1).</p>

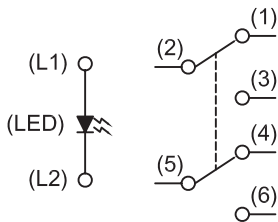
▶ DIMENSION



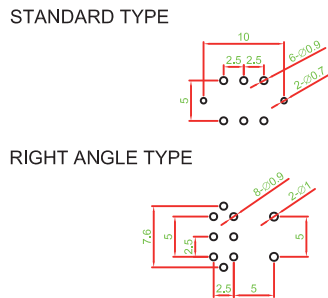
▶ DIMENSION



▶ CIRCUIT DIAGRAM



▶ P.C.B. LAYOUT



▶ 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	DISK	PIP	C-KEY	CUT	TAKE	REC	ENG	PROC
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 S	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				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				x	✓	⊙	Config.	TIME LINE	ME1	ME2										
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																				
U																				
V																				
W	BORE-SIGHT	CANT	LEAD	RANGE	MRS	ZERO	TEST	UD	LR											
X	ID	Dstep	MF	GALL	.	BAND	SETUP	MODE	LINK	FUNC.										
Y	SHIFT					DEL														
Z				RUN	2D	3D	CH1	CH2	CH3	CH4										