

PS004 SERIES

LED PUSH BUTTON SWITCH



Feature -

- Small size
- Led illuminated
- Two color available
- Lock/none lock type
- Various cap options

Applications -

- Consumer products
- Instrumentation
- Communication products
- Computer products

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 - 1.0 ± 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	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

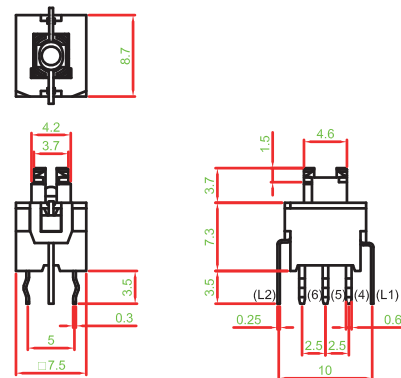
PS004	-	L	2	2	N	P	X	X	X		U	G	X	X	
		OPERATION		POSITION		TERMINAL		HOUSING COLOR		CAP SYMBOL		LED COLOR		LED COLOR	
		N NON-LOCK (std.)		2 2 POSITION (std.)		P P.C.B TYPE (std.)		K BLACK (std.)		Please refer to appendix 1(knob) For example K3  PK3:Printing K3:Laser carving		B BLUE		B BLUE	
		L LOCK TYPE				R RIGHT ANGLE TYPE		G GRAY		E1  PE1:Printing E1:Laser carving		G GREEN		G GREEN	
		T TACTILE				R1 RIGHT ANGLE TYPE 1		W WHITE		☐ WITHOUT		R RED		R RED	
						R2 RIGHT ANGLE TYPE 2		X WITHOUT				W WHITE		W WHITE	
						R3 RIGHT ANGLE TYPE 3						Y YELLOW		Y YELLOW	
						R4 RIGHT ANGLE TYPE 4						X WITHOUT		X WITHOUT	

PS004 SERIES

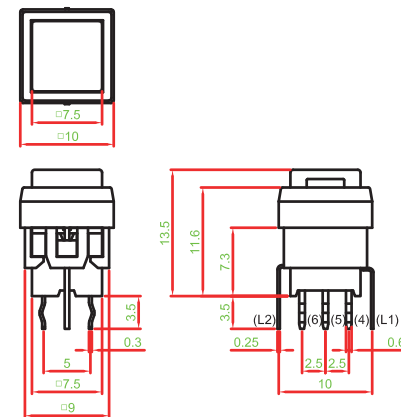
LED PUSH BUTTON SWITCH

► DIMENSION

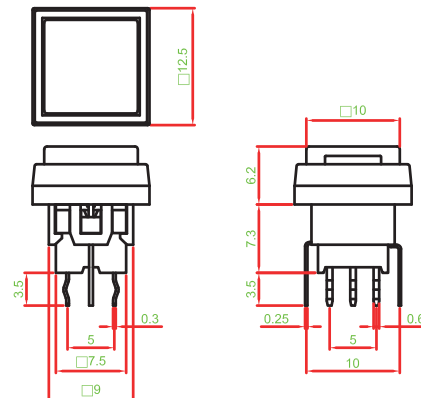
PS004-L22NPXXX□□□□



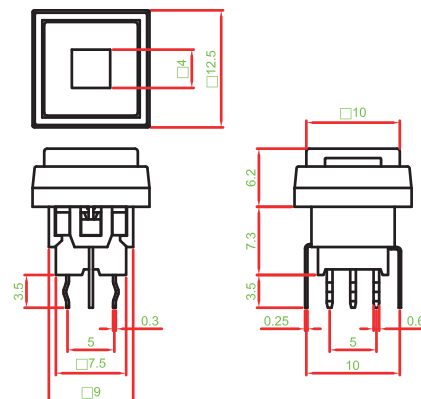
PS004-L22NPS1KT□□□□



PS004-N22NPS2KT□□□□



PS004-N22NPS2HKK□□□□

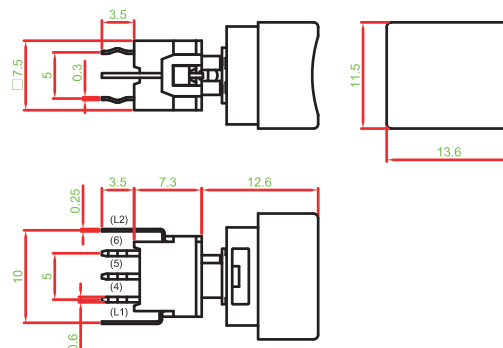


PS004 SERIES

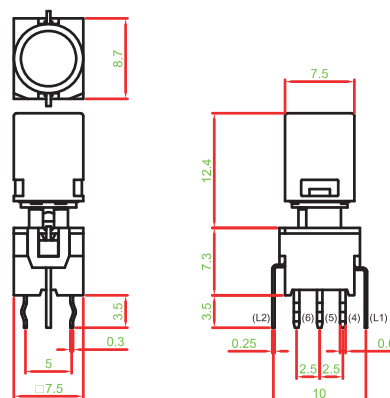
LED PUSH BUTTON SWITCH

► DIMENSION

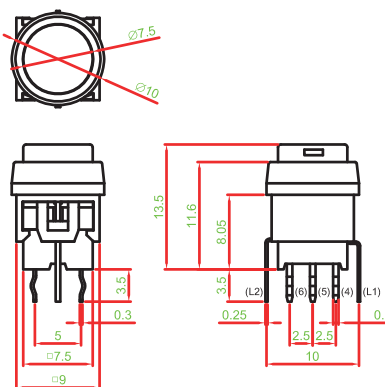
PS004-L22NPS3XT□□□□



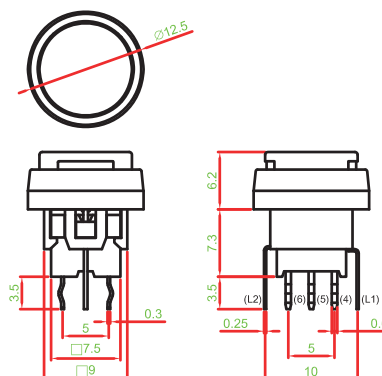
PS004-L22NPR1AXT□□□□



PS004-L22NPR1KT□□□□



PS004-N22NPR2KT□□□□

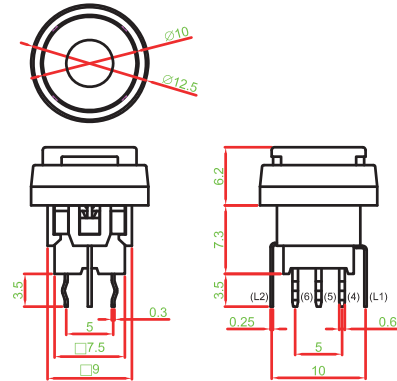


PS004 SERIES

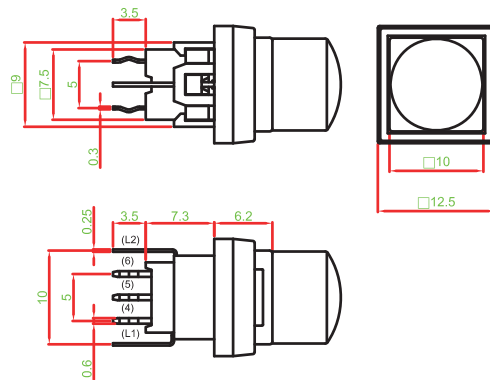
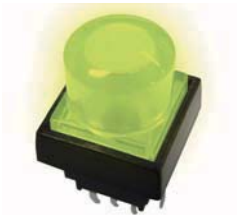
LED PUSH BUTTON SWITCH

► DIMENSION

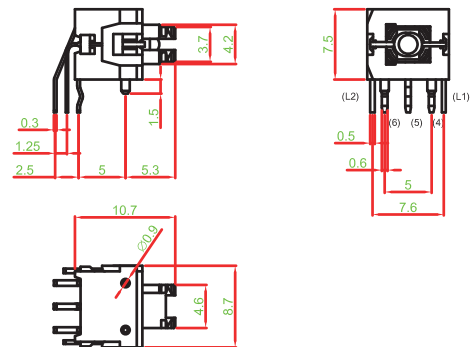
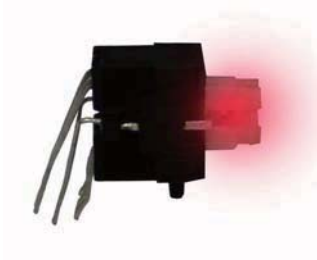
PS004-N22NPR2HKK□□□□



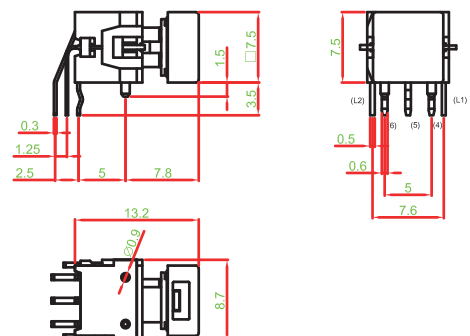
PS004-N22NPR3KT□□□□



PS004-N22NRXXX□□□□



PS004-N22NRS1XT□□□□

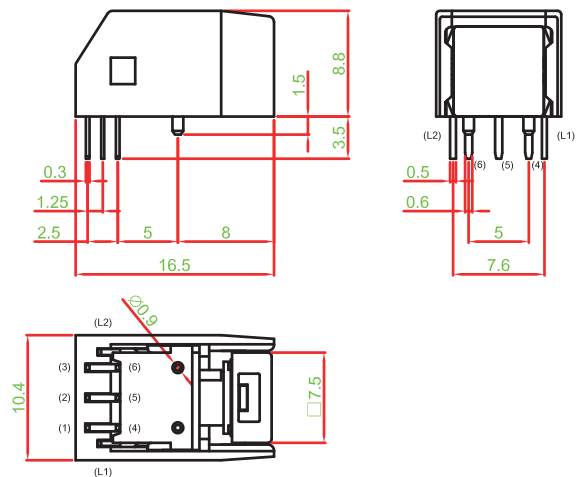


PS004 SERIES

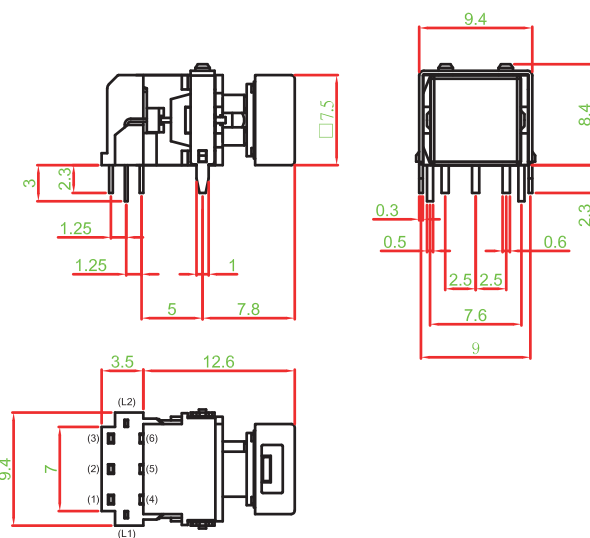
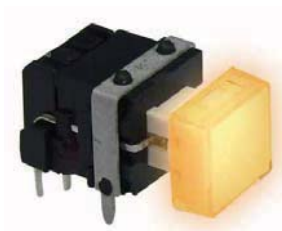
LED PUSH BUTTON SWITCH

► DIMENSION

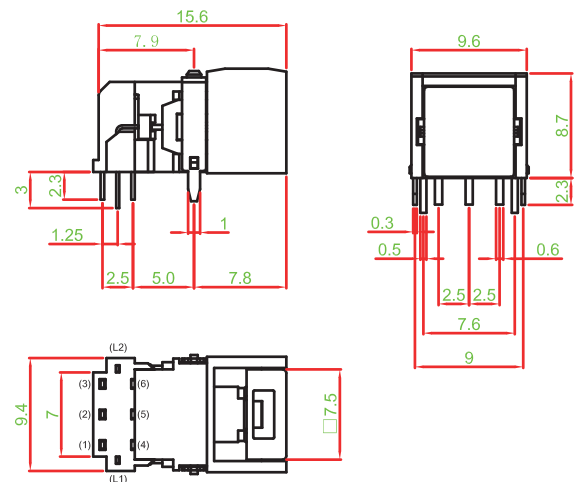
PS004-N22NRS1KT□□□□



PS004-N22NR1S1XT□□□□



PS004-N22NR2S1KT□□□□

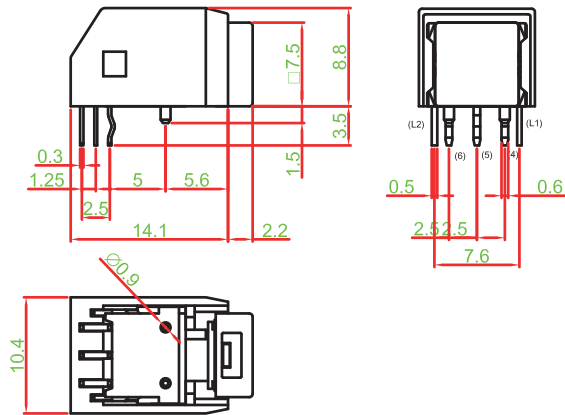


PS004 SERIES

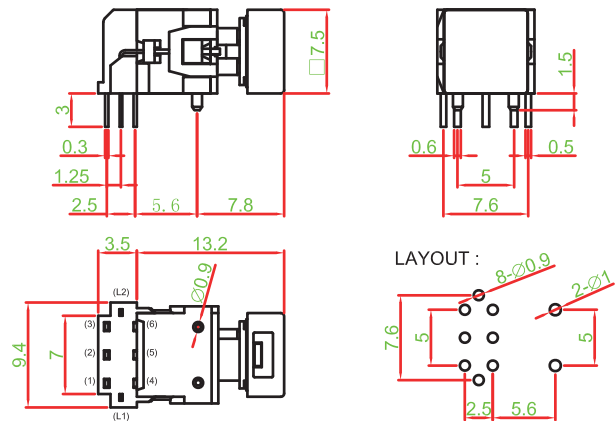
LED PUSH BUTTON SWITCH

► DIMENSION

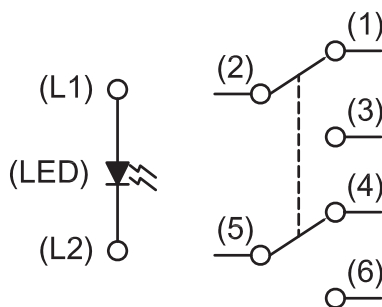
PS004-N22NR3S1KT□□□□



PS004-N22NR4S1XT□□□□

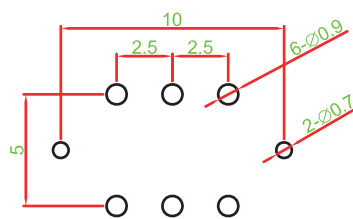


► CIRCUIT DIAGRAM

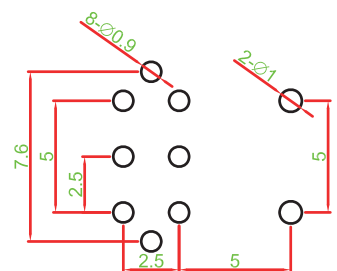


► P.C.B. LAYOUT

STANDARD TYPE



RIGHT ANGLE TYPE



► MATERIAL

- FRAME : PA + GF
- ACTUATOR : PA + GF
- BASE : PA + GF
- TERMINAL : BRASS ; SILVER PLATING
- SPRING : STAINLESS STEEL

► UNIT WEIGHT

- PS004-L22NPXXX□□□□ : 0.65 ± 0.05 g / pc
- PS004-L22NPS1□□□□□□ : 1.15 ± 0.05 g / pc
- PS004-L22NPR1□□□□□□ : 1.15 ± 0.05 g / pc
- PS004-L22NRXXX□□□□ : 0.65 ± 0.05 g / pc

