



Feature -

bi-color LED illuminated available
SPST, DPDT, lock / non-lock function

Application -

audio / video products
instrumentation
communication equipments

► **SPECIFICATIONS**

SWITCH SPECIFICATIONS	
POLE - POSITION	SPST, DPDT
CONTACT RATING	30 V DC, 0.1 A
CONTACT RESISTANCE	50 mΩ MAX. 1.5 V DC; 100 mA, by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ MIN. 500 V DC for 1 minute
DIELECTRIC STRENGTH	Breakdown is not Allowable; 500 V AC for 1 Minute
OPERATING FORCE	250 ± 100 gf
OPERATING LIFE	100,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL / LOCK TRAVEL	2.5 ± 0.3 mm / 1.5 ± 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.

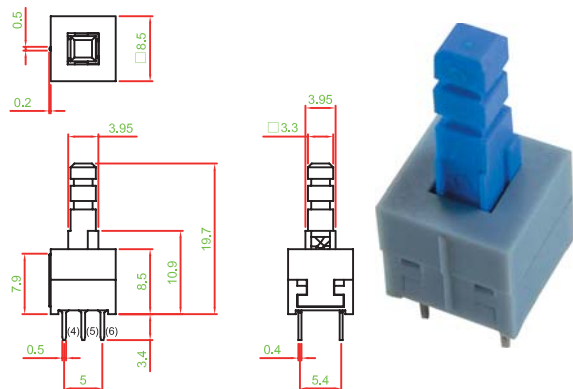
► **HOW TO ORDER**

PS010	N	2	2	N	P	A	A	A	U	R	X	X																																																						
	<table><tr><td colspan="2">OPERATION</td></tr><tr><td>N</td><td>NON-LOCK (std.)</td></tr><tr><td>L</td><td>LOCK TYPE</td></tr></table>	OPERATION		N	NON-LOCK (std.)	L	LOCK TYPE		<table><tr><td colspan="2">POSITION</td></tr><tr><td>2</td><td>2 POSITION (std.)</td></tr></table>	POSITION		2	2 POSITION (std.)		<table><tr><td colspan="2">TERMINAL</td></tr><tr><td>P</td><td>P.C.B TYPE (std.)</td></tr></table>	TERMINAL		P	P.C.B TYPE (std.)		<table><tr><td colspan="2">ACTUATOR</td></tr><tr><td>A</td><td>A TYPE 19.7mm (std.)</td></tr></table>	ACTUATOR		A	A TYPE 19.7mm (std.)		<table><tr><td colspan="2">LED BRIGHTNESS</td></tr><tr><td>U</td><td>ULTRA (std.)</td></tr><tr><td>R</td><td>REGULAR</td></tr><tr><td>X</td><td>WITHOUT</td></tr></table>	LED BRIGHTNESS		U	ULTRA (std.)	R	REGULAR	X	WITHOUT		<table><tr><td colspan="2">LED BRIGHTNESS</td></tr><tr><td>U</td><td>ULTRA (std.)</td></tr><tr><td>R</td><td>REGULAR</td></tr><tr><td>X</td><td>WITHOUT</td></tr></table>	LED BRIGHTNESS		U	ULTRA (std.)	R	REGULAR	X	WITHOUT																					
OPERATION																																																																		
N	NON-LOCK (std.)																																																																	
L	LOCK TYPE																																																																	
POSITION																																																																		
2	2 POSITION (std.)																																																																	
TERMINAL																																																																		
P	P.C.B TYPE (std.)																																																																	
ACTUATOR																																																																		
A	A TYPE 19.7mm (std.)																																																																	
LED BRIGHTNESS																																																																		
U	ULTRA (std.)																																																																	
R	REGULAR																																																																	
X	WITHOUT																																																																	
LED BRIGHTNESS																																																																		
U	ULTRA (std.)																																																																	
R	REGULAR																																																																	
X	WITHOUT																																																																	
		<table><tr><td colspan="2">POLE</td></tr><tr><td>2</td><td>2 POLE (std.)</td></tr><tr><td>1</td><td>1 POLE</td></tr></table>	POLE		2	2 POLE (std.)	1	1 POLE		<table><tr><td colspan="2">TIMING</td></tr><tr><td>N</td><td>NON - SHORTING (std.)</td></tr></table>	TIMING		N	NON - SHORTING (std.)		<table><tr><td colspan="2">FRAME</td></tr><tr><td>A</td><td>NONO LED</td></tr><tr><td>B</td><td>3.7mm LED DISTANCE</td></tr><tr><td>C</td><td>5.7mm LED DISTANCE</td></tr><tr><td>C1</td><td>5.7mm LED DISTANCE</td></tr></table>	FRAME		A	NONO LED	B	3.7mm LED DISTANCE	C	5.7mm LED DISTANCE	C1	5.7mm LED DISTANCE		<table><tr><td colspan="2">CAP</td></tr><tr><td>A</td><td>WITHOUT (std.)</td></tr><tr><td>B</td><td>B TYPE (Only by B & C1 frame)</td></tr></table>	CAP		A	WITHOUT (std.)	B	B TYPE (Only by B & C1 frame)		<table><tr><td colspan="2">LED COLOR</td></tr><tr><td>B</td><td>BLUE</td></tr><tr><td>G</td><td>GREEN</td></tr><tr><td>R</td><td>RED</td></tr><tr><td>W</td><td>WHITE</td></tr><tr><td>Y</td><td>YELLOW</td></tr><tr><td>X</td><td>WITHOUT</td></tr></table>	LED COLOR		B	BLUE	G	GREEN	R	RED	W	WHITE	Y	YELLOW	X	WITHOUT		<table><tr><td colspan="2">LED COLOR</td></tr><tr><td>B</td><td>BLUE</td></tr><tr><td>G</td><td>GREEN</td></tr><tr><td>R</td><td>RED</td></tr><tr><td>W</td><td>WHITE</td></tr><tr><td>Y</td><td>YELLOW</td></tr><tr><td>X</td><td>WITHOUT</td></tr></table>	LED COLOR		B	BLUE	G	GREEN	R	RED	W	WHITE	Y	YELLOW	X	WITHOUT
POLE																																																																		
2	2 POLE (std.)																																																																	
1	1 POLE																																																																	
TIMING																																																																		
N	NON - SHORTING (std.)																																																																	
FRAME																																																																		
A	NONO LED																																																																	
B	3.7mm LED DISTANCE																																																																	
C	5.7mm LED DISTANCE																																																																	
C1	5.7mm LED DISTANCE																																																																	
CAP																																																																		
A	WITHOUT (std.)																																																																	
B	B TYPE (Only by B & C1 frame)																																																																	
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																																																																	

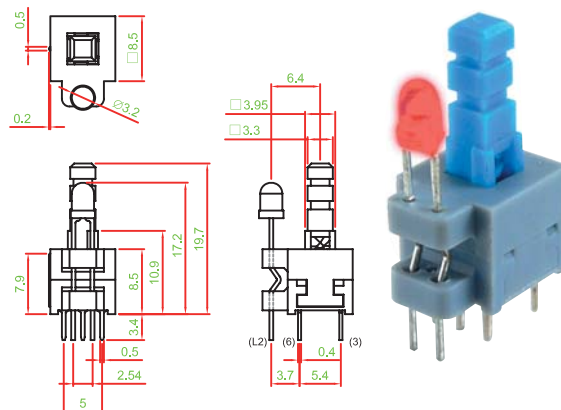


► DIMENSION

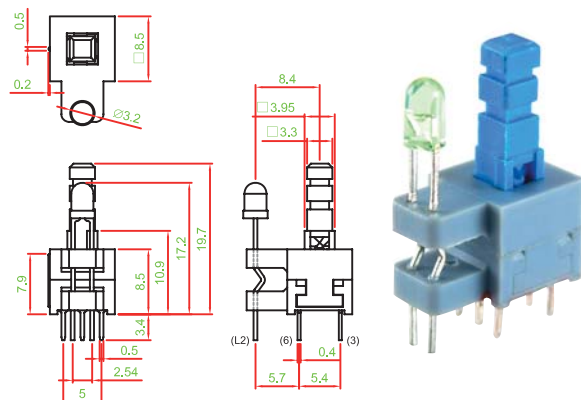
PS010 - N22NPAAAXXXX



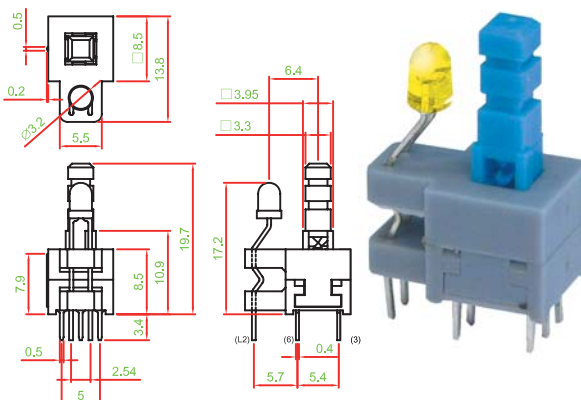
PS010 - N22NPBAA □ □ □ □



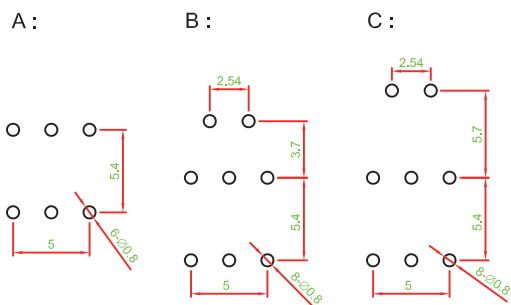
PS010 - N22NPCAA □ □ □ □



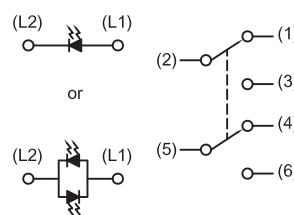
PS010 - N22NPC1AA □ □ □ □



► P.C.B LAYOUT



► CIRCUIT



► KNOB OPTION



► MATERIAL

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Well Buying:

[PS010-N22NPBAAUBXX](#) [PS010-N22NPBAAUGXX](#) [PS010-N22NPBAAUWXX](#)