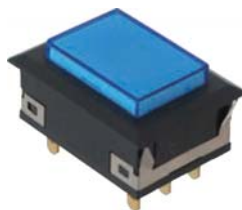


HOW TO ORDER

S P C — [] [] — [] [] — [] [] — [] [] [] []

Function Code		Apparent shaped/Terminal type		Cap Color		LED Colors	
MS	Momentary, SPDT	SP	Square/Straight PC	T1	Transparency Red	00	Without LED
MD	Momentary, DPDT	RP	Rectangular/ Straight PC	T2	Transparency Yellow	Single Colors	
AS	Alternate, SPDT	SS	Square/Soldering type	T3	Transparency Green	01	Red
AD	Alternate, DPDT	RS	Rectangular/Soldering type	T5	Transparency Black	S2S	Super Yellow
I	Indicator			T7	Transparency Blue	P3S	Pure Green
				T	Transparency	7S	Blue
					The diffuser inside the cap are all in white.	Bi-colors LED	
						1S2	Red/Super Yellow
						1P3	Red/Pure Green
						17	Red/Blue
						S2P3	Super Yellow/Pure Green
						S27	Super Yellow/Blue
						P37	Pure Green/Blue
						Tri-colors LED	
						RGB	RGB Full color

EXAMPLE : SPC-MS-SS-T-1P3
 SPC Pushbutton switch -Momentary-Square/Soldering type terminal-Transparency Clear cap-Red/Pure Green LED illuminated.

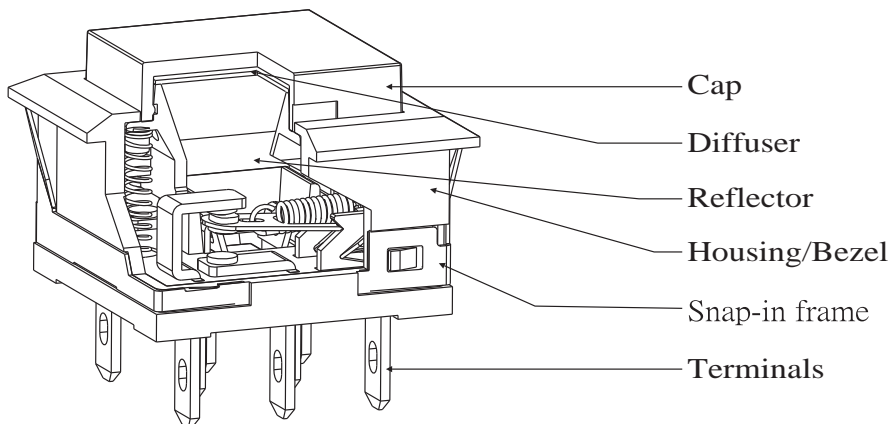


General Specifications

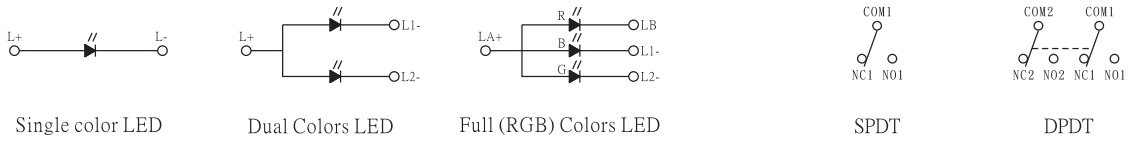
Circuit	:SPDT or DPDT
Current Rating	:5A.
Voltage Rating	:125/250 V AC
Contact Resistance	:50 milli-Ohm Max(initial)
Insulation Resistance	:200 Meg-Ohm Min
Operating Force	:Single pole: 190gf±50gf
	Double pole: 250gf±50gf for Square 300gf±50gf for Rectangular
Total Travel	:2.3mm±0.5mm
Mechanical Life	:1,000,000 cycles min. for Momentary. 200,000 cycles min. for Alternate.
Electrical Life	:10,000 cycles min. 100,000 cycles min. with resistive load of 3A @ 125VAC
Solder Specifications	:Manual solder, 360 deg. for 4 seconds Wave solder for Through hole 260deg for 3 seconds
Operating Temperature	:-25deg~+50deg
Function	:Momentary or Alternate
LED Rating	:See the table at below

Material

Cap	: Polycarbonate(PC)
Housing	:Polyamide (PA)
Snap-in Frame	:Stainless steel
Switch/LED Terminal	:Phosphor bronze (PBS) with gold plating
Movable Contacts	:Silver alloy
Spring	:Piano wire
Base	:Polyamide(PA)
LED	:Surface type LED



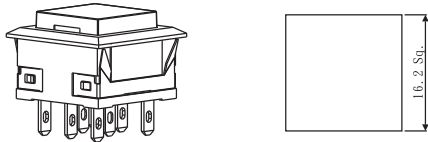
CONTACT CONFIGURATION & LED SCHEMATICS



Notes: LED circuit is isolated and requires external power source.

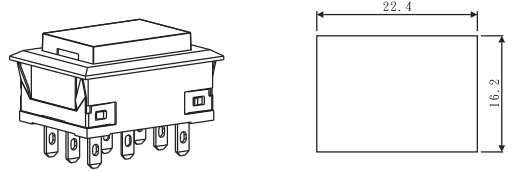
PANEL CUTTING

Square.Solder Lug



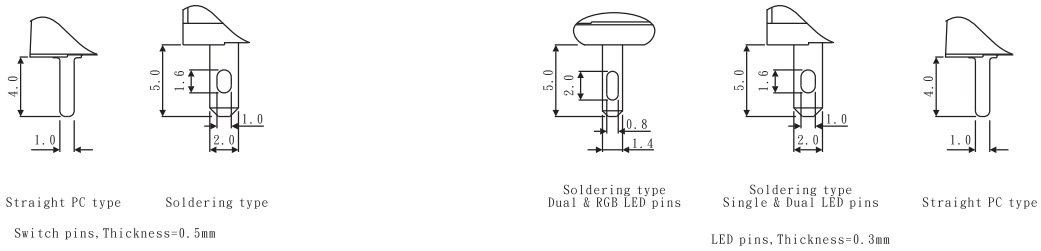
Panel Thickness: 1.0~3.2mm

Rectangular.Solder Lug



Panel Thickness: 1.0~3.2mm

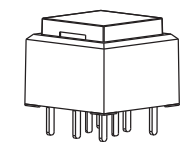
TERMINALS



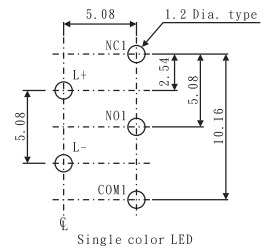
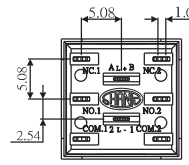
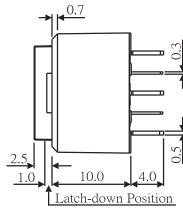
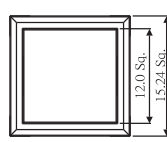
MODEL OPTIONS

Square . For PCB

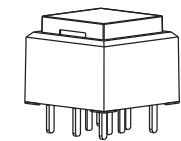
Single & Double Pole : Single pole do not have terminals Com.2, NO.2 and NC.2



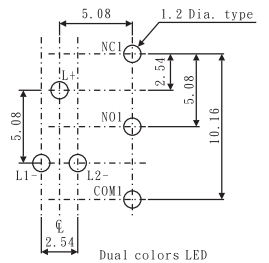
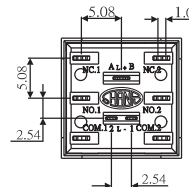
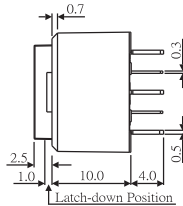
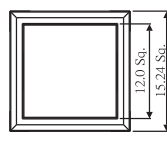
Single Color LED



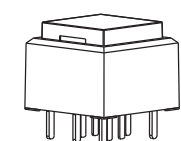
Square . For PCB



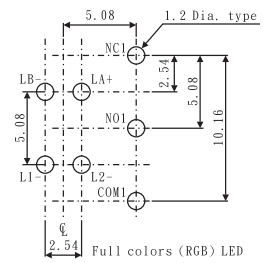
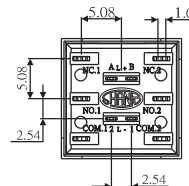
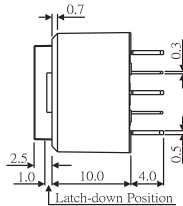
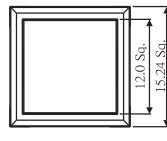
Dual Color LED



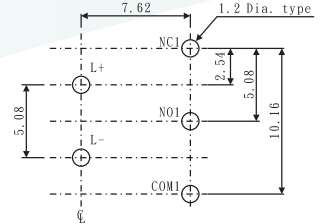
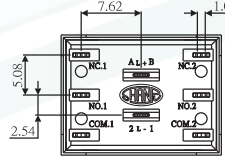
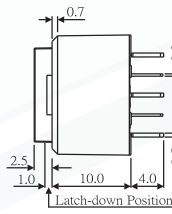
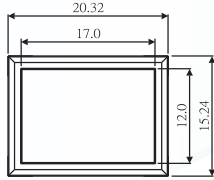
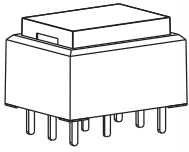
Square . For PCB



Full Color (RGB) LED

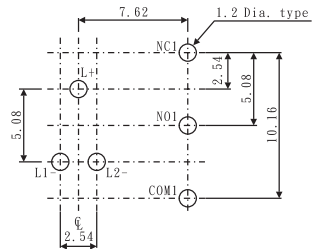
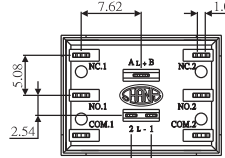
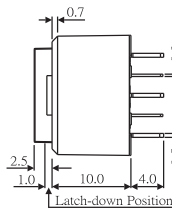
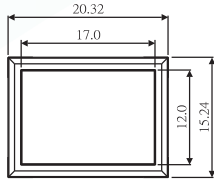
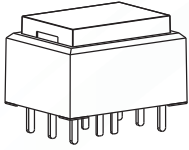


Rectangular . For PCB



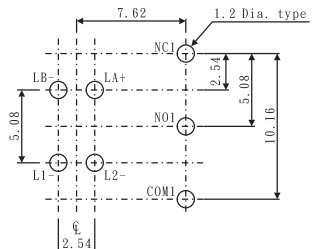
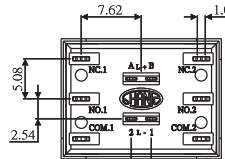
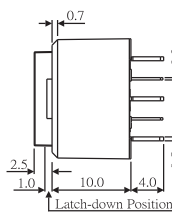
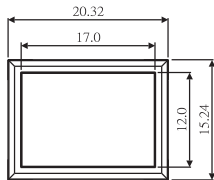
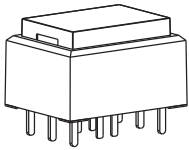
Single Color LED

Rectangular . For PCB



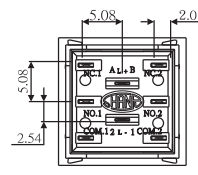
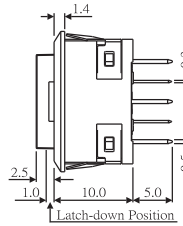
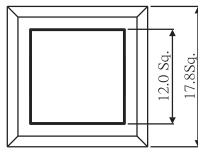
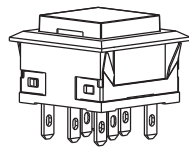
Dual Color LED

Rectangular . For PCB



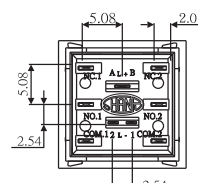
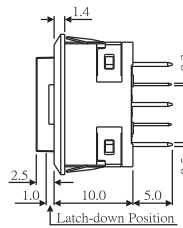
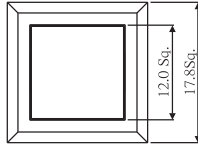
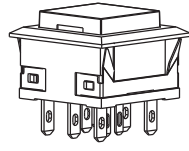
Full Color(RGB) LED

Square . Solder Lug



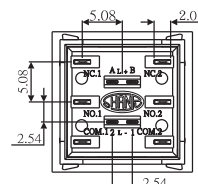
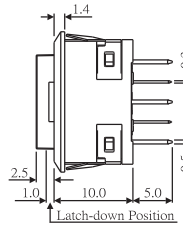
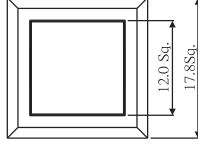
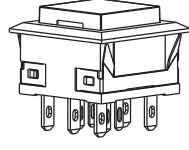
Single Color LED

Square . Solder Lug



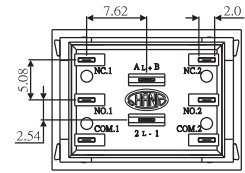
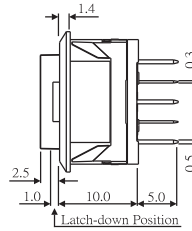
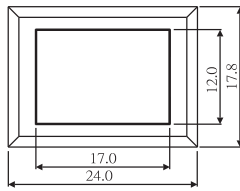
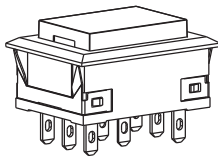
Dual Color LED

Square . Solder Lug



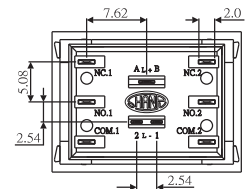
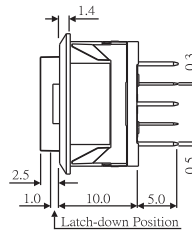
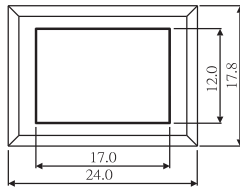
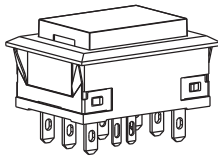
Full Color(RGB) LED

Rectangular . Solder Lug



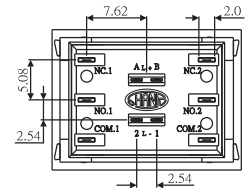
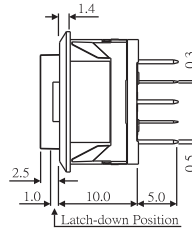
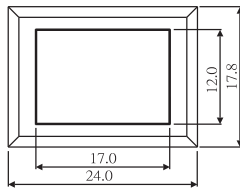
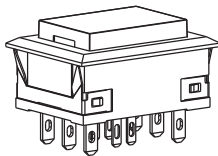
Single Color LED

Rectangular . Solder Lug



Dual Color LED

Rectangular . Solder Lug



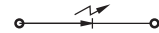
Full Color(RGB) LED

LED CHARACTERISTICS

The electrical specifications show are determined at a basic temperature of 25 C. If the source voltage exceeds the rated voltage of LED, a ballast resistor must be connected in series with the LED.



Attention: LED are electrostatic sensitive devices



Single color	Forward Voltage V_F (V) at 20mA	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Reverse Current I_R (uA) at $V_R=5V$
bi-Red Super Yellow Pure Green Blue	1.8~2.6 2.0~2.5 2.8~3.7 3.1~3.6	Typical 20mA 30 mA max.	5V	10uA
Bicolor LED				
Red+Yellow	Red 1.7~2.5 Yellow 1.7~2.5			
Red+Pure Green	Red 1.7~2.5 Pure Green 2.8~3.7			
Red+Blue	Red 1.7~2.5 Blue 2.8~3.7			
Yellow+Pure Green	Yellow 1.7~2.5 Pure Green 2.8~3.7			
Yellow+Blue	Yellow 1.7~2.5 Blue 2.8~3.7			
Full color (RGB) LED				
RGB	Red 3.2~3.6 Green 3.5~4.0 Blue 3.5~4.0			

- Notes:**
- 1.LED circuit is isolated and requires external power source.
 - 2.LED an integral part of the switch.
 - 3.Emitting color: $\pm 20\%$
 - 4.Forward Voltage: $\pm 0.1V$
 - 5..Luminous intensity / Luminous Flux: $\pm 20\%$