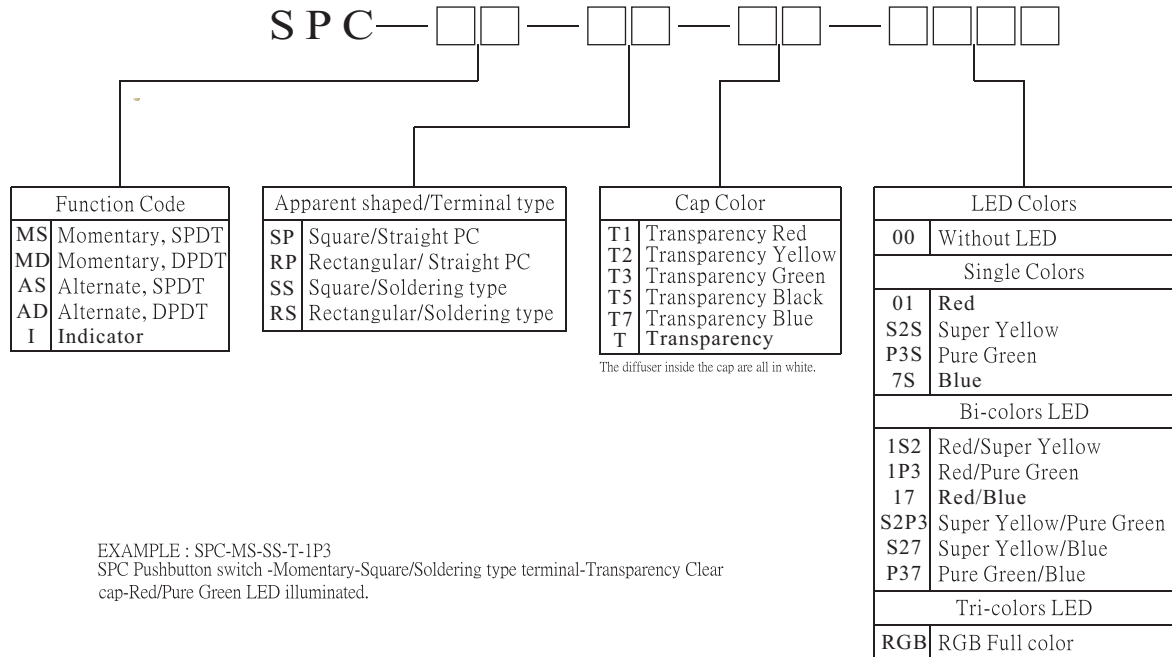
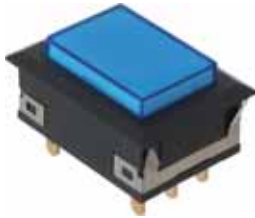


HOW TO ORDER



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

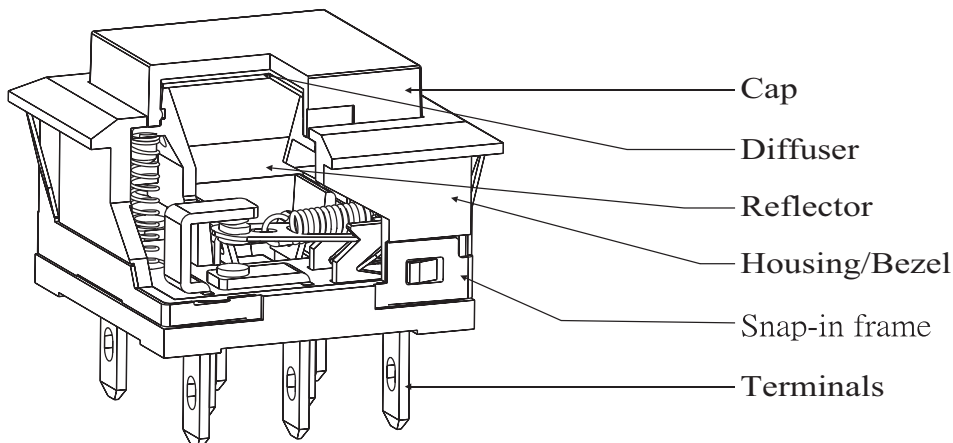


General Specifications

- 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

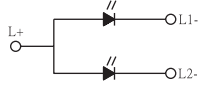
- Cap : Polycarbonate(PC)
- Housing : Polyamide (PA)
- Snap-in Frame : Stainless steel
- Switch/LED Terminal : Phosphor bronze (PBS) with gold plating
- Movable Contacts : Silver alloy
- Spring : Piano wire
- Base : Polyamide(PA)
- LED : Surface type LED



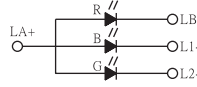
CONTACT CONFIGURATION & LED SCHEMATICS



Single color LED



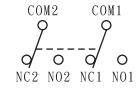
Dual Colors LED



Full (RGB) Colors LED



SPDT

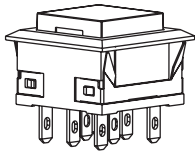


DPDT

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

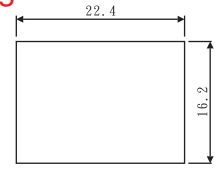
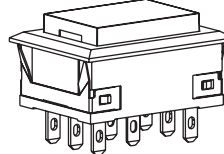
PANEL CUTTING

Square.Solder Lug



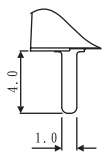
Panel Thickness: 1.0~3.2mm

Rectangular.Solder Lug

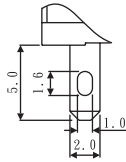


Panel Thickness: 1.0~3.2mm

TERMINALS

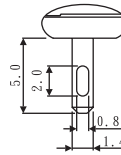


Straight PC type

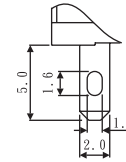


Soldering type

Switch pins, Thickness=0.5mm

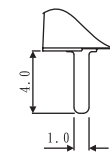


Soldering type
Dual & RGB LED pins



Soldering type
Single & Dual LED pins

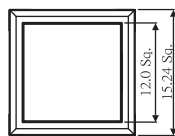
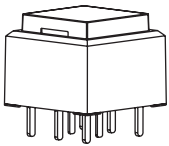
LED pins, Thickness=0.3mm



Straight PC type

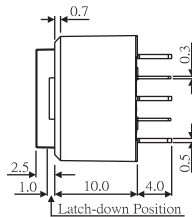
MODEL OPTIONS

Square . For PCB

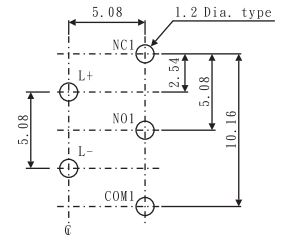
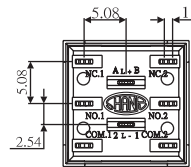


Single Color LED

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

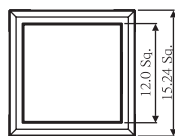
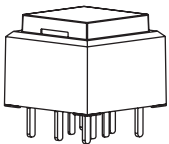


Latch-down Position

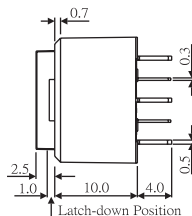


Single color LED

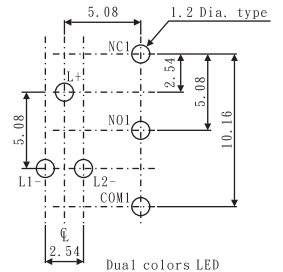
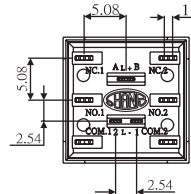
Square . For PCB



Dual Color LED

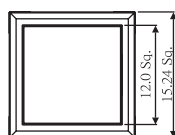
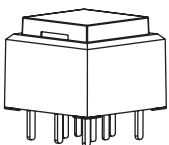


Latch-down Position

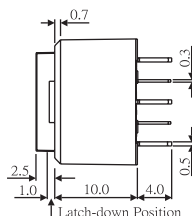


Dual colors LED

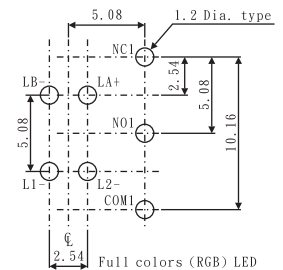
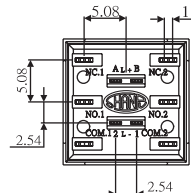
Square . For PCB



Full Color(RGB) LED

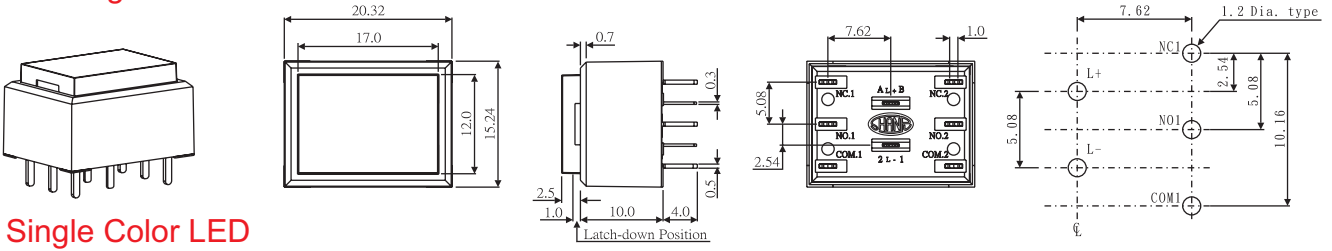


Latch-down Position



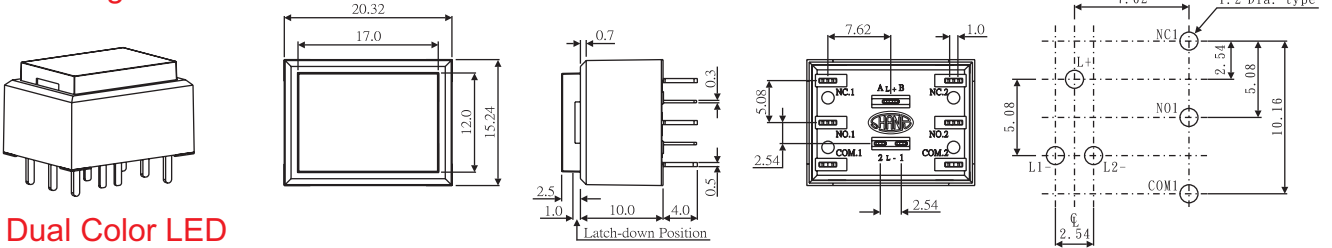
Full colors (RGB) LED

Rectangular . For PCB



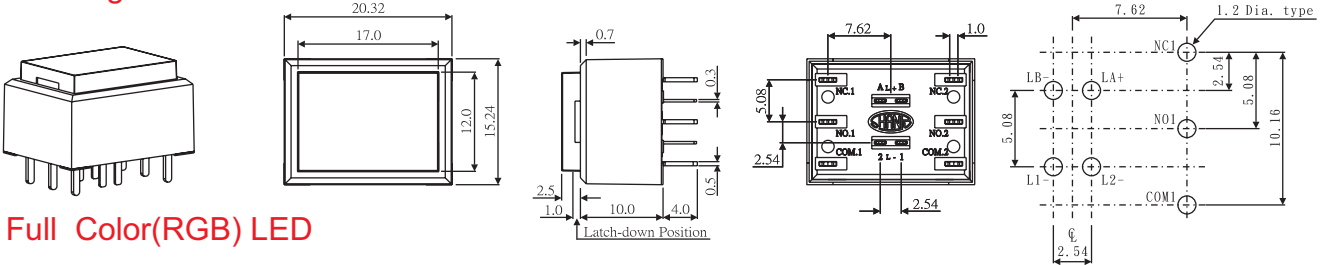
Single Color LED

Rectangular . For PCB



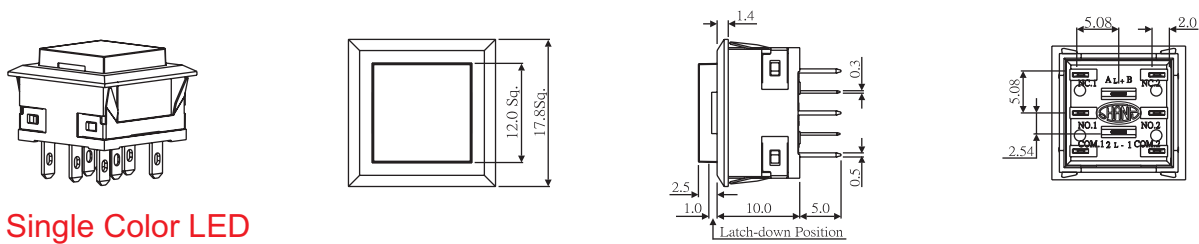
Dual Color LED

Rectangular . For PCB



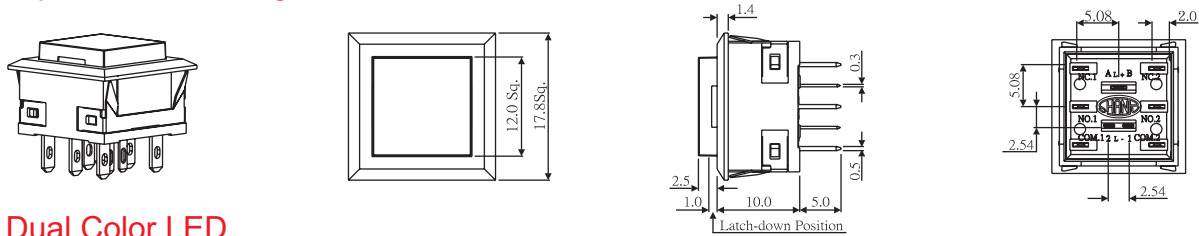
Full Color(RGB) LED

Square . Solder Lug



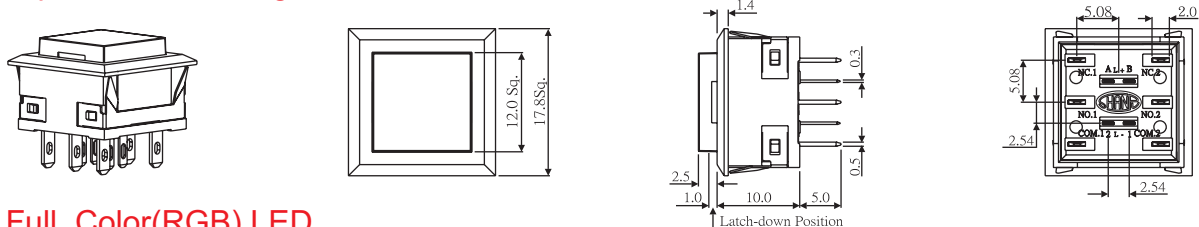
Single Color LED

Square . Solder Lug



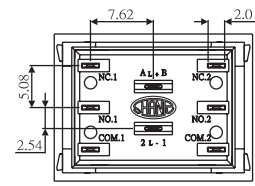
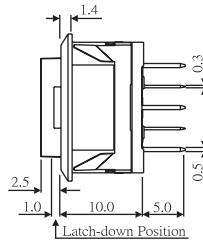
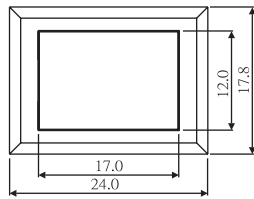
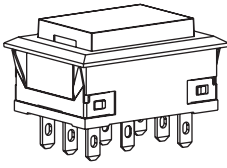
Dual Color LED

Square . Solder Lug



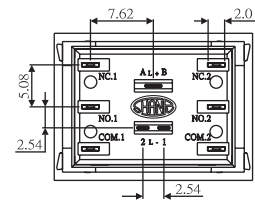
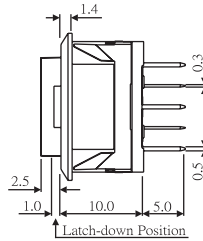
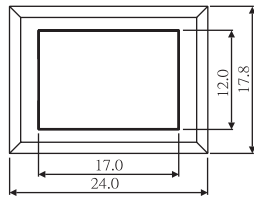
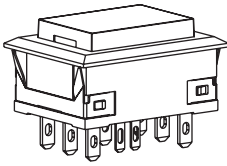
Full Color(RGB) LED

Rectangular . Solder Lug



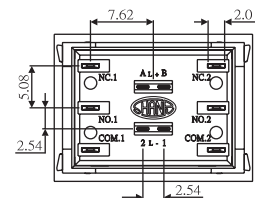
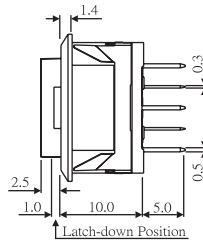
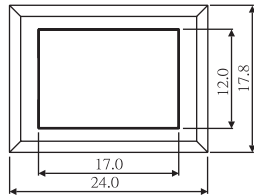
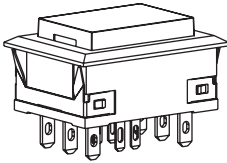
Single Color LED

Rectangular . Solder Lug



Dual Color LED

Rectangular . Solder Lug



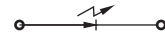
Full Color(RGB) LED

LED CHARACTERISTICS

The electrical specifications show are determined at a basic temperature of 25°. 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 (μ A) 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: $\pm 20\%$