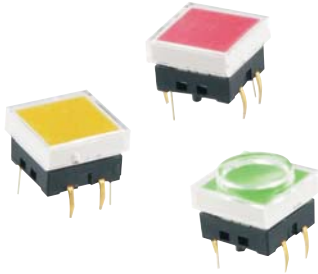




KSD

SWITCH CONNECTOR



General Specifications

- Circuit:** SPST
- Current Rating:** 50mA @ 12VDC
- Contact Resistance:** 100mOhm Max.(initial)
- Insulation Resistance:**100MOhm Min.
- Operating Force :**300gf ± 100gf
- Total Travel:** 0.3mm ± 0.1mm
- Operating Life:** 5,000,000 cycles Min.
- Operating Temperature:** -25 deg.~+60 deg.
- Solder Specifications:** 260 deg. for 3 seconds

Materials

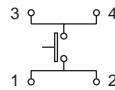
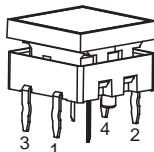
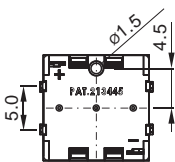
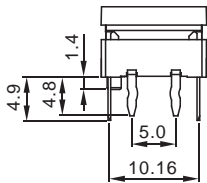
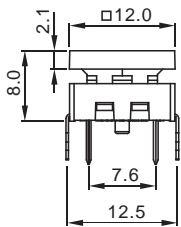
- Cover:** Polycarbonate (PC)
- Cap:** Polycarbonate (PC)
- Housing:** Polyamide (PA)
- Base:** Polyamide (PA)
- Lamp Term. :** Phosphor bronze (PBS) with gold plating
- Act. Dome:** SUS with silver plating
- End Term. :** Brass with gold plating
- LED:** Surface Mount Chip LED

HOW TO ORDER

MODEL NO.	FUNCTION CODE	DIFFUSER COLORS	LED COLORS	COVER STYLE / COLOR
SPL12	P Illuminated Switch	<ul style="list-style-type: none"> 1 Red 2 Yellow 3 Green 4 White 	<ul style="list-style-type: none"> 01 Red S2S Super Yellow 03 Green P3S Pure Green 4S White 7S Blue 	<ul style="list-style-type: none"> 00 Without Cover FC Flat/clear FH Flat/clear h=4.9mm RC Round h=4.9mm/clear RH Round h=6.9mm/clear SC Square h=4.9mm/clear SH Square h=6.9mm/clear UT UP Triangle/clear DT Down Triangle/clear RT Right Triangle/clear LT Left Triangle/clear C4 Flat cover/white C5 Flat cover/Foggy B4 Raised cover/white B5 Raised cover/clear

EXAMPLE: SPL12P-2-S2S-FC

▼ DIMENSION

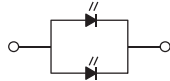


(SPST)

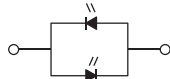
Contact Configuration



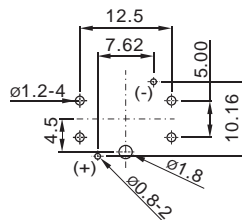
Single chip LED



Single Color / 2chips LED



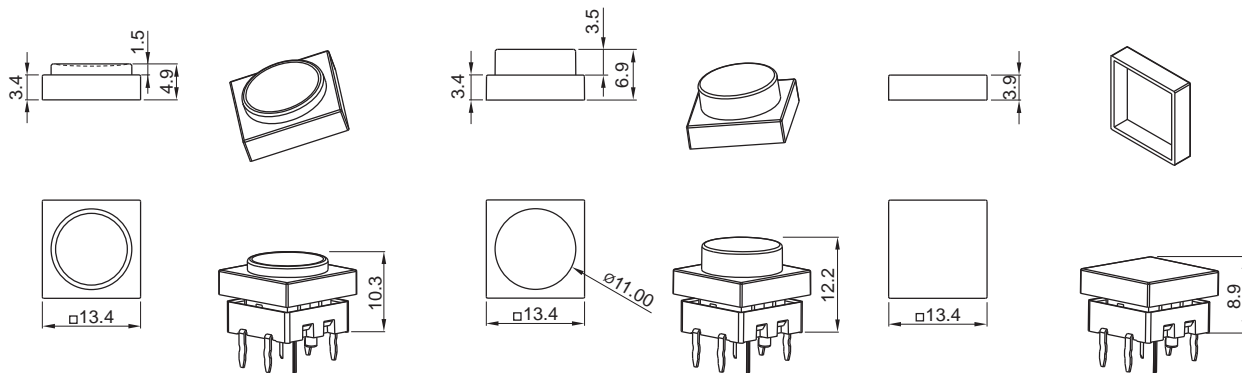
Dual Colors LED



P.C.B. Mounting Holes



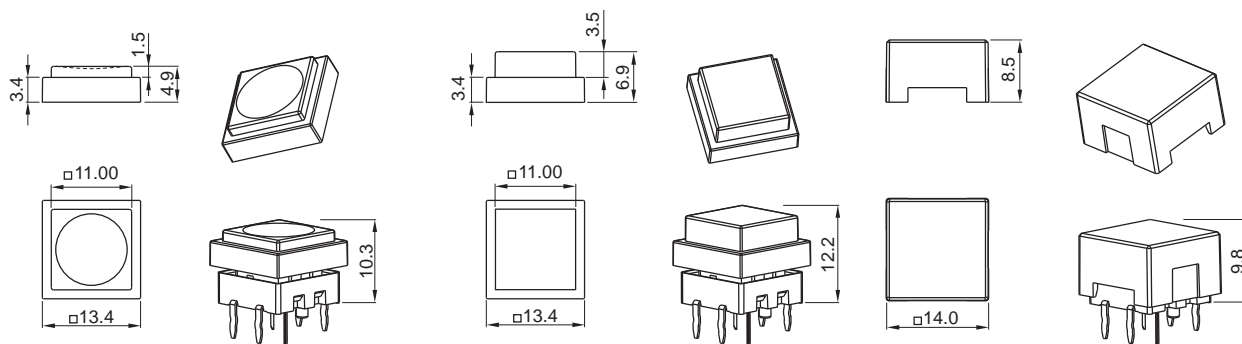
▼ COVER STYLE



Round Cover (RC)
h=4.9mm

Round Cover (RH)
h=6.9mm

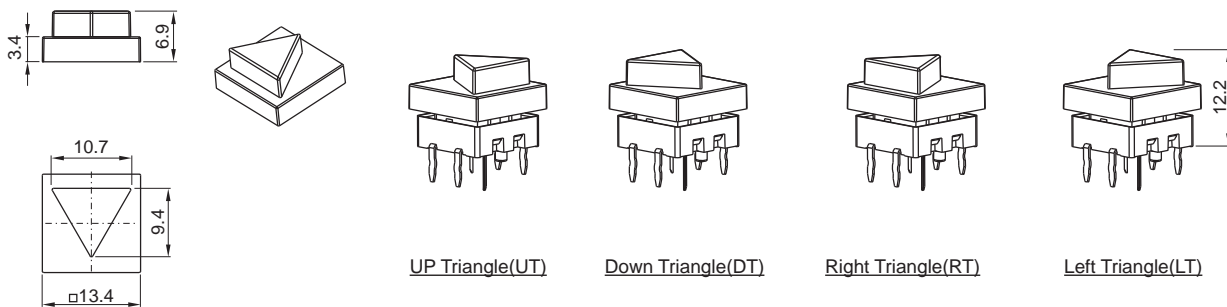
Flat Cover (FC)



Square Cover (SC)
h=4.9mm

Square Cover (SH)
h=6.9mm

Flat Cover (white C4 or clear C5)

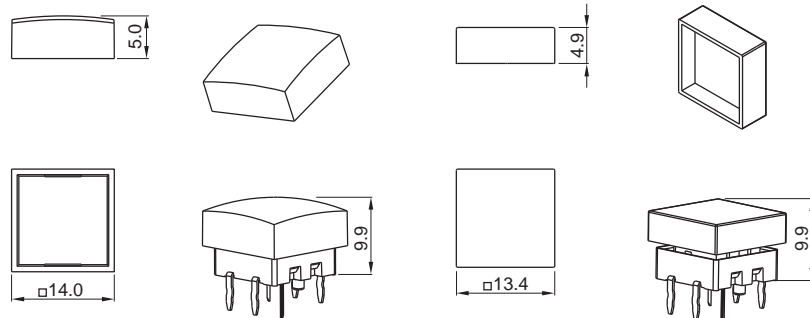


UP Triangle (UT)

Down Triangle (DT)

Right Triangle (RT)

Left Triangle (LT)



Raised Cover (white B4)

Flat Cover (FH)
h=4.9mm



▼ LED CHARACTERISTICS

The electrical specifications shown 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.

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	1.8~2.6	Typical 20mA 30mA max.	5V	100uA max.
bi-Yellow	2.1~2.6			
bi-Super Yellow	2.1~2.6			
bi-Green	2.2~2.6			
bi-Super Green	2.0~2.6			
bi-Pure Green	3.2~3.6			
bi-Blue	3.5~4.0			
bi-White	3.2~3.8			
Single color build in resistor for 5V DC	5V DC max.	Typical 7mA 12mA max.	5V	100uA max.
bi-Red 5V DC				
bi-Yellow 5V DC bi-Green 5V DC				
Bi color LED	Red 1.8~2.6 Blue 3.5~4.0	Typical 20mA 30mA max.	5V	100uA max.
Red & Blue				
Red & Pure Green				
Pure Green & Blue	Pure Green 3.2~3.6 Blue 3.5~4.0			



Attention: LED are electrostatic sensitive devices

