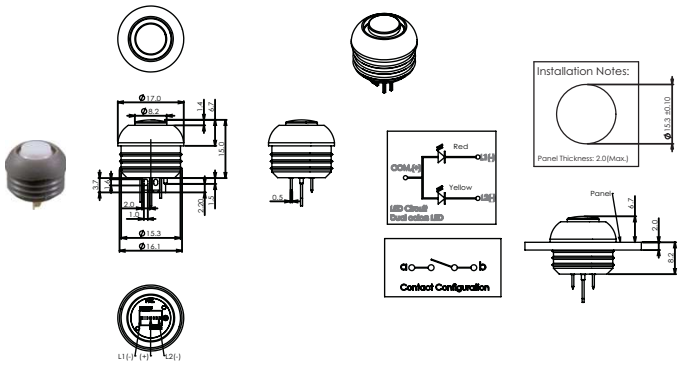
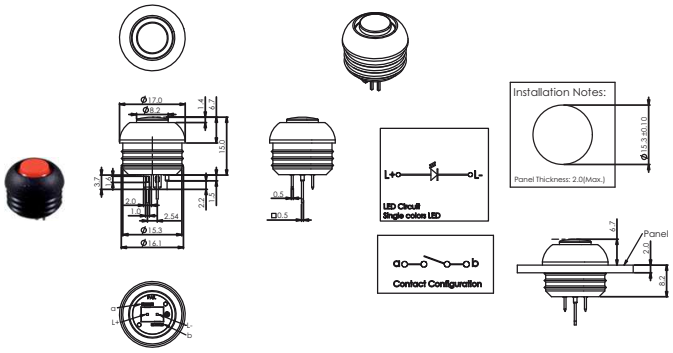
# Pushbutton Switches

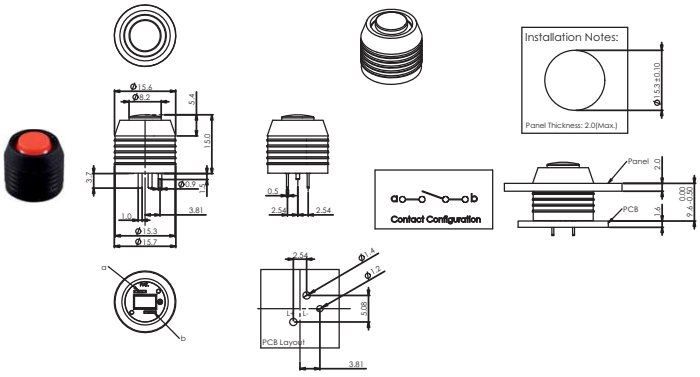
## Illuminated Sealed Pushbutton Switches — PB34 Series



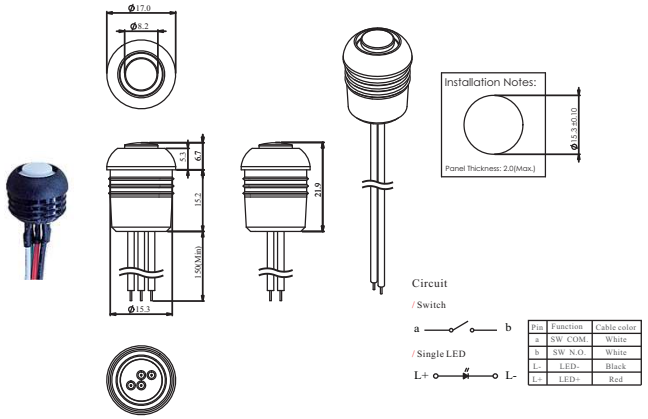

PB341T1HB_ _




PB341T1AC_

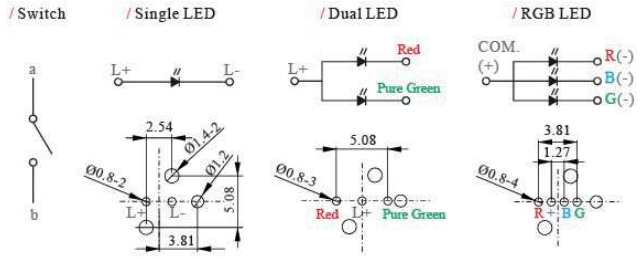



PB341T2ACN




PB341WAB_

## CIRCUIT & PCB LAYOUT




## LED ELECTRO-OPTICAL DATA

**LED Characteristics**

The electrical specifications shown 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.

| color | Forward voltage VF(V)at If=20mA | | | Dominant Wavelength λ dom(nm) | | | Luminous intensity Iv(mcd)at If=20mA | | | Power dissipation Pd(mW) |
|---|---|---|---|---|---|---|---|---|---|---|
| | Min | Typ | Max | Min | Typ | Max | Min | Typ | Max | |
| Red | 1.8 | -- | 2.4 | 620 | -- | 630 | 80 | -- | 400 | 75 |
| Pure Green | 2.8 | -- | 3.4 | 520 | -- | 530 | 500 | -- | 1600 | 75 |

| Reverse voltage Vr(V)max. | Reverse current Ir (uA) at Vr =5V | Forward current If(mA)max. |
|---|---|---|
| 5V | 100uA | 30mA |

Notes:
1. LED circuit is isolated and requires external power source.
2. LED an integral part of the switch.
3. Emitting color:±20%
4. Forward voltage:±0.1V
5. Liminous intensity/luminous flux: ±20%

## How to order:

PB34 [1] [2] [3] [4] [5]

**1 CIRCUITS:**
1 OFF-MOM

**2 MOUNTING:**
T1 Solder Lug
T2 PC thru-hole
W Wire

**3 BASE COLOR:**
A Black
H Grey

**4 ACTUATOR COLOR:**
B White
C Red

**5 LED COLOR:**
N Without LED
B White
C Red
F Green
CF Red/Green
RGB Red/Green/Blue

## General Specifications:

MATERIALS
> Base: PA
> Actuator: Silicone
> Contact: SUS Ag-plated
> Terminal: Bronze with Au-plated
> Wire: UL1007#22AWG

ELECTRICAL AND MECHANICAL
> Rating: 50mA 12VDC
> Electrical Life: Min. 10,000 cycles
> Mechanical Life: 1,000,000 cycles
> Insulation Resistanc: 100 Mohm Min. at 500VDC
> Dielectric Strength: 250VAC for 1 Minute
> Contact Resistanc: 500 mohm Max. (initial value, not tested on the wire)
> Operation Temperature: -10°C to 60°C
> Travel: 1.0±0.3mm
> Operation Force: 550±100gf
> Protection: IP67

All specifications are restricted to QA test criteria.
DRW: DX CHK: D.F. LEE, APP: H.Z. QIU, DC: 2023-04-23. UPD: 2025-03-27.