



FEATURES:

- Available sharp click feel with a positive tactile feedback
- Ultraminiature structure suitable for high density mounting. Economic but high reliability.
- Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping.

MATERIAL:

- Cover: UL94V-0 Nylon High Temp Thermoplastic
Color: White
- Base: UL94V-0 Nylon High Temp Thermoplastic
Color: White (160gf)
- Contact Disc: Stainless with silver cladding
- Terminal: Brass with silver cladding
- Stem: UL94V-0 Nylon High Temp Thermoplastic
Color: Black
- Adhesions Tape: Kapton.

SPECIFICATION

MECHANICAL

- Operation Force: 160 ± 50gf Brown (N)
- Stroke: 0.25+0.2/-0.1mm
- Operation Temperature Range: -20°C to +70°C
- Storage Temperature Range: -30°C to +80°C
- Vibration Test: MIL-STFD-202F METHOD 201A.
Frequency: 10-55-10Hz/1 minute
Directions: X,Y,Z, three mutually perpendicular directions.
Time: 2 hours each direction.
High reliability.
- Shock Test: MIL-STD-202F METHOD 213B
CONDITION A.
Gravity: 50G (peak value), 11 msec
Direction and times: 6 sides and 3 times in each direction.
High reliability.

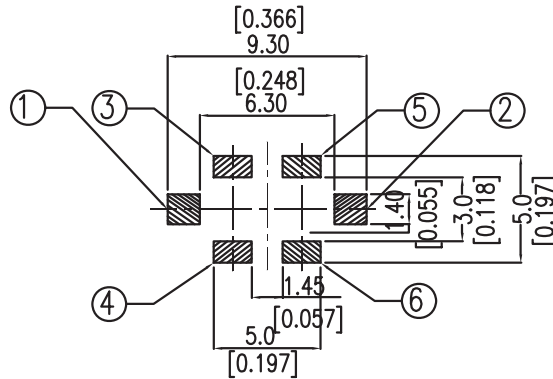
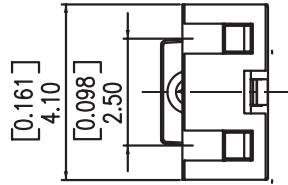
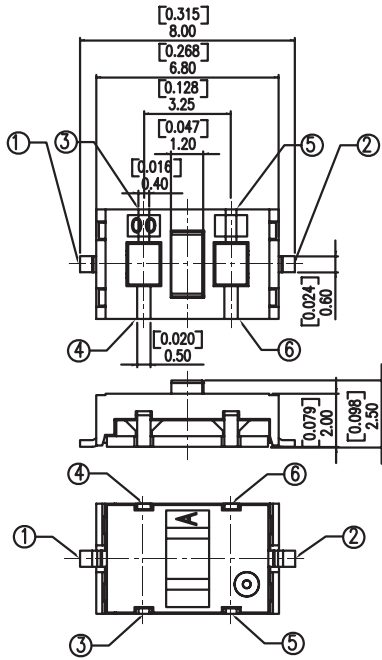
ELECTRICAL

- Electrical Life: 50,000 cycles for 160gf
- Rating: 50mA, 12VDC
- Contact Resistance: 100m Ω max
- Insulation Resistance: 100MΩ min at 500VDC
- Dielectric Strength: 250VAC/1 minute.
- Circuit: 1 pole 1 throw
- Led: See specification.

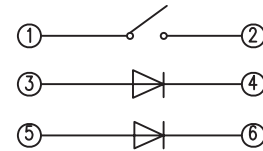
Packaging:

Part Number	Number Per Reel
ST2LED4168	3000

ST2LED4168



P.C.B. LAYOUT



CIRCUIT DIAGRAM

HOW TO ORDER:

ST2LED4168 W

Package:
T/R = Tape & Reel
Soldering:
R = Lead Free Solderable
Right Led Color:
 = Non Led
RR = Red
RO = Soft Orange
RG = Green
RB = Blue
RA = Amber
RB5 = Blue (Led 5mA)

Left Led Color:
 = Non Led
LR = Red
LO = Soft Orange
LG = Green
LB = Blue
LA = Amber
LB5 = Blue (Led 5mA)

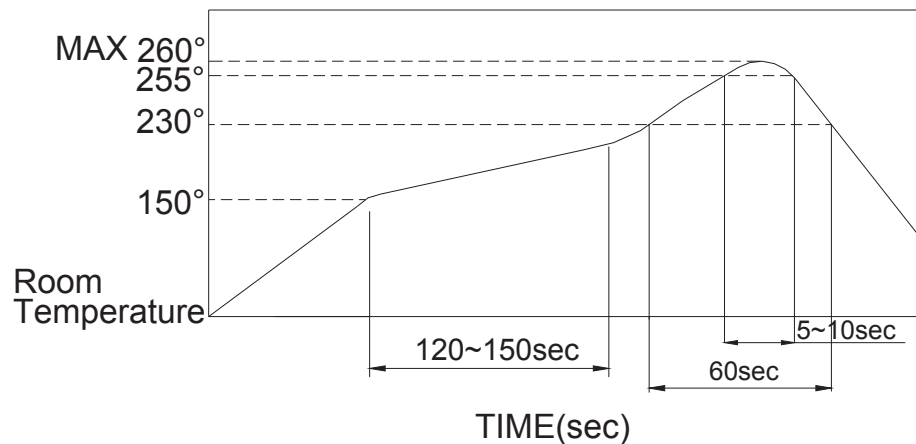
Operating Force:
W = White, 160g

Tactile & SMT Switch Type With 2 Led (4.1 X 6.8mm)

Soldering Process

- ▲ Hand Soldering: Use a soldering iron of 30 watts controlled at 350°C approximately max 5 seconds while applying.
- ▲ Reflow Soldering: When applying reflow soldering, the peak temperature or the reflow oven should be set to 260°C max.
- ▲ Condition for soldering: Reflow & non-washable type.

Temperature Profile :



Precaution in Handling

- ▲ After reflow, do not touch LED before cooling, or it could influence LED function.
- ▲ It is a normal material characteristic when yellowing on plastic after reflow.
- ▲ Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.