

### FEATURES:

- Compact detector switch with smooth switching action
- SMT type is available for tape & reel package.

### MATERIAL:

- Cover: Stainless Steel
- Base: UL94V-0 Nylon High-Temp Thermoplastic.  
Color: Black
- Stem: UL94V-0 Nylon High-Temp Thermoplastic.  
Color: Black
- Contact: Stainless with silver plated.  
Stainless with Au plated.
- Spring: Piano Wire
- Terminal: Brass with silver plated.  
Brass with Au plated.

### SPECIFICATION

#### MECHANICAL

Operation Force: 50 gf max

Operation Temperature Range: -10°C to +60°C

Storage Temperature Range: -40°C to +85°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: 100 000 cycles

Rating: 1mA, 5VDC

Contact Resistance: 1Ω max.

Insulation Resistance: 100MΩ min.

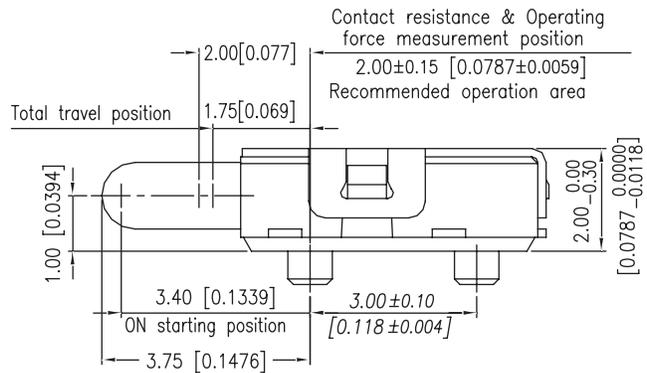
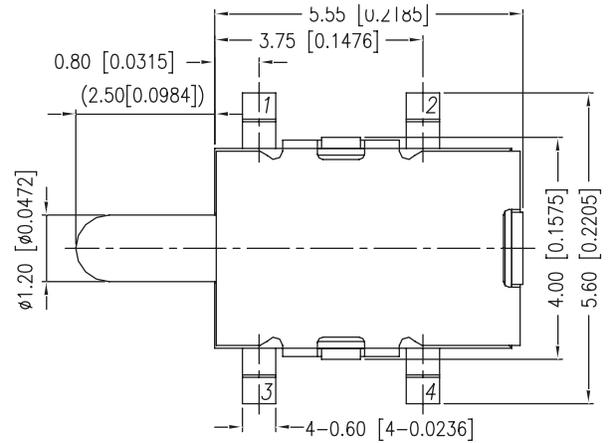
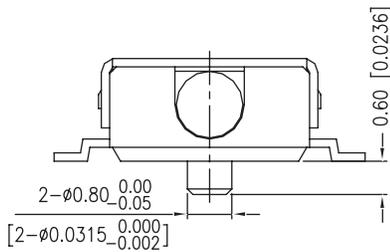
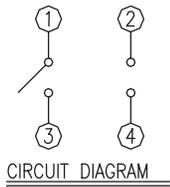
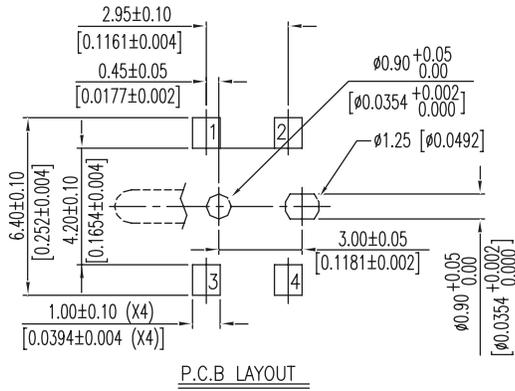
Dielectric Strength: 100VAC/1 minute.

Contact Arrangement: 1 pole , 1 throw

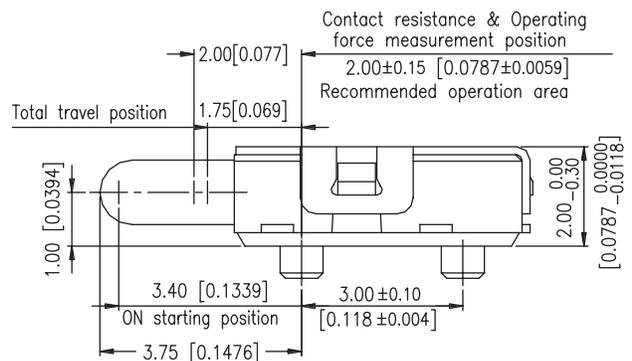
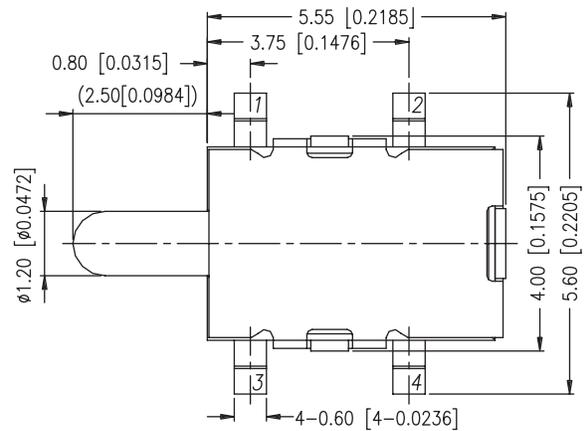
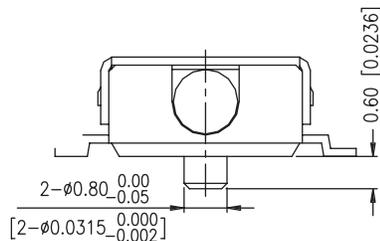
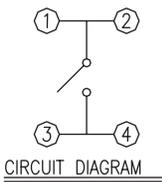
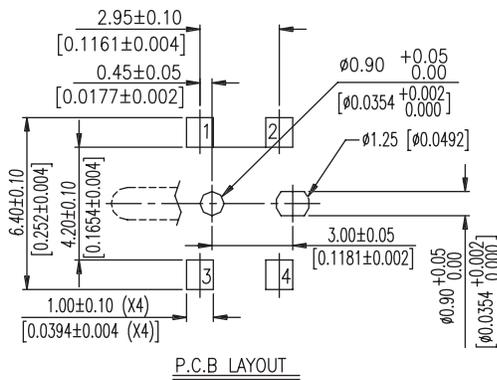
### Packaging:

Part Number	Number Per Tube	Number Per Reel
SHFDS	-	3000

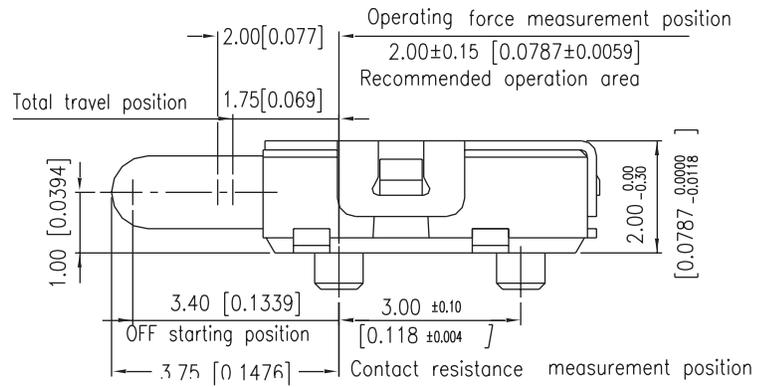
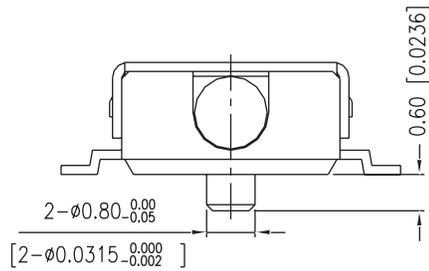
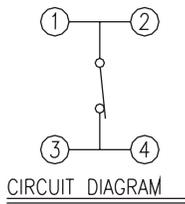
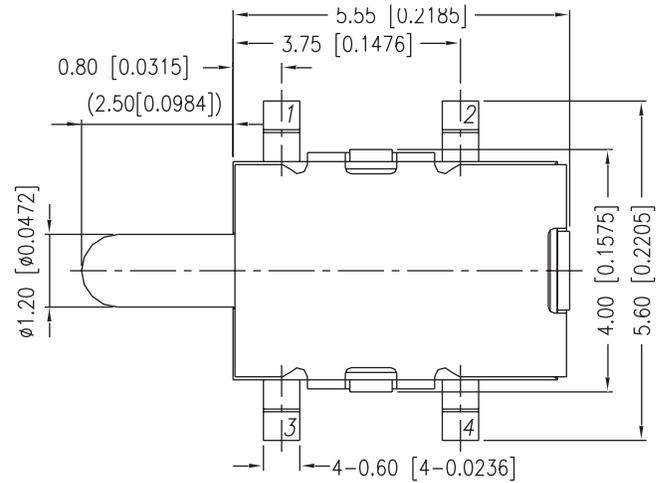
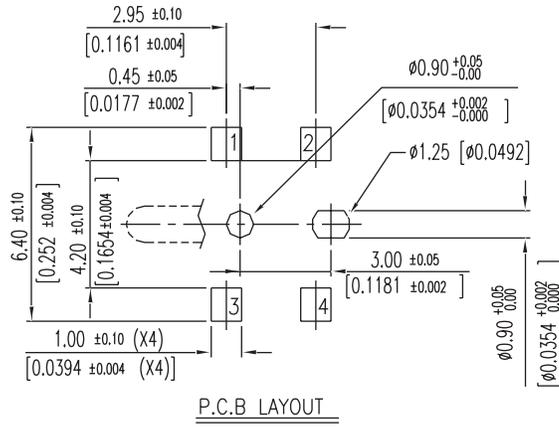
### SHFDS-1C



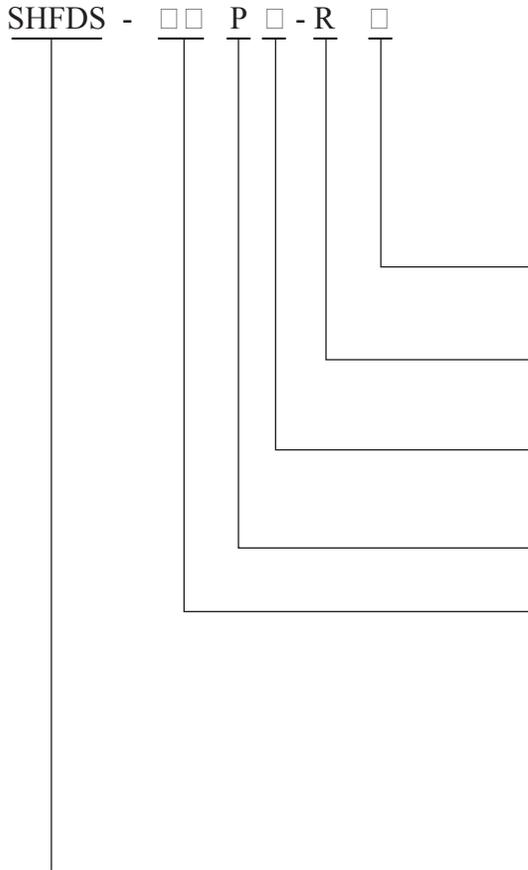
### SHFDS-2C



### SHFDS-3C



### HOW TO ORDER:



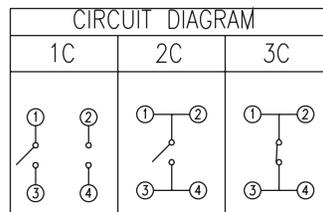
Package Style:  
T/R = Tape & Reel

Soldering:  
R = Lead Free Solderable

□ = With Silver Plated  
A = With Gold Plated

P = With Post

Circuit Diagram



Detector Switch

### 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 at 260°C max.

### Temperature Profile:

