

# Detector Switches

## Vertical Type Detector Switches

## DF45 Series

### General Specifications

Updated: 2010-09-15



#### MATERIALS

- » Cover: UL 94V-0 Nylon High-Temp. Thermoplastic black
- » Contact: Stainless with silver plated
- » Terminal: Phosphor bronze with silver plated
- » Base: UL 94V-0 Nylon High-Temp. Thermoplastic black
- » Stem: UL 94V-0 Nylon High-Temp. Thermoplastic black

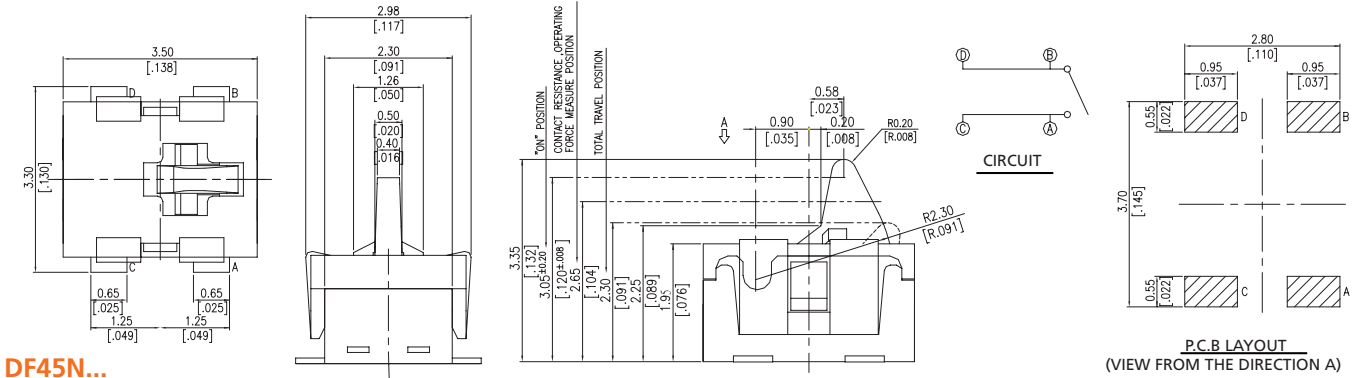
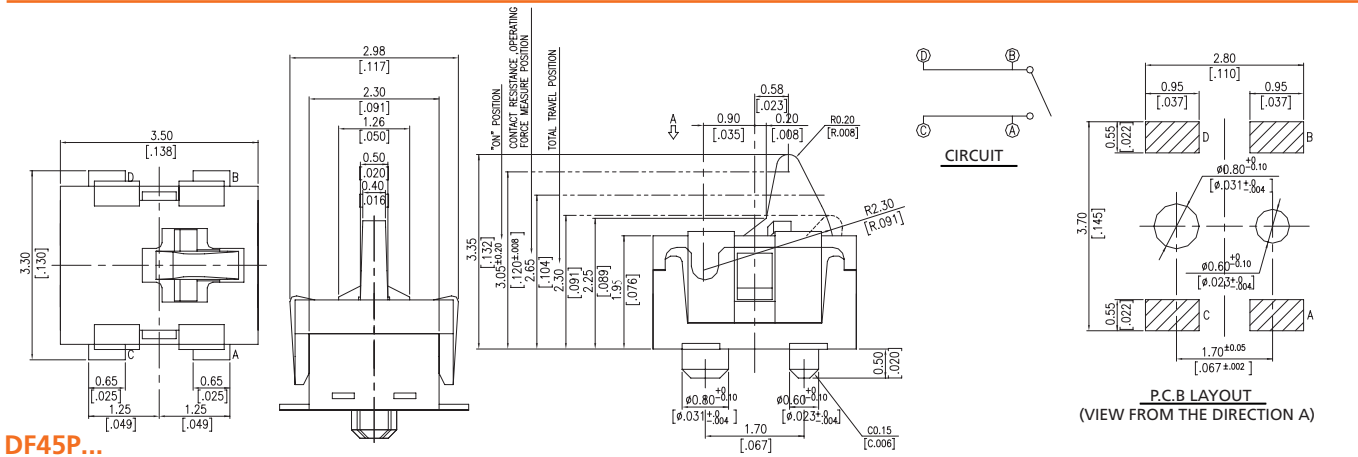
#### MECHANICAL

- » Operation Force: 35gf max.
- » Stroke: 1.05 mm Max.
- » Operation Temperature: -15°C to +70°C
- » Storage Temperature: -40°C to +85°C

#### ELECTRICAL

- » Electrical Life: 100,000 cycles
- » Rating: 0.1mA~100mA, 20mA~5V DC
- » Contact Arrangement: 1 pole 1 throw
- » Dielectric Strength: 100 VAC / 1 minute.
- » Contact Resistance : 500mΩ Max.
- » Insulation Resistance : 100 MΩ Min , at 100 VDC.

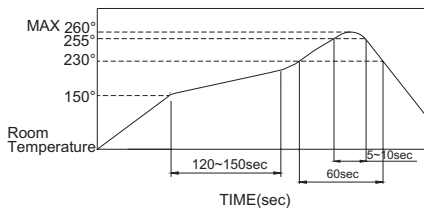
General Tolerance:±0.2mm



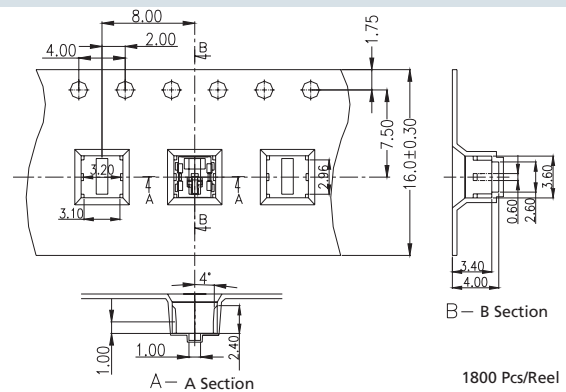
#### LEADFREE SOLDERING PROCESSES

- » Hand Soldering : Use a soldering iron of 30 watts, controlled at 320°C approximately 2 seconds while applying.
- » Wave Soldering : Recommended solder temperature at 260°C max. 5 seconds for through hole type.
- » Reflow Soldering: When applying reflow soldering, the peak temperature or the reflow oven should be set to 260°C max.

Reflow Temperature Profile:



#### TAPE & REEL PACKING



#### How to order:

DF45

#### 1 POST:

- N Without Post
- P With Post

#### 2

- no code Plastic Cover
- M Metal Cover

#### COVER: ●

#### 3

- no code RoHS, Lead Free
- H RoHS, lead Free & Halogen free

#### MATERIALS: ●

#### 4 PACKAGE STYLE:

- TR Tape & Reel