Detector Switch

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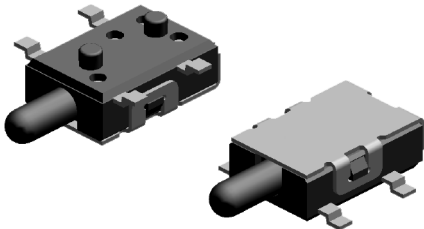
Application

- Detection of car audio mechanism
- Smoke detector
- Notebook

Features
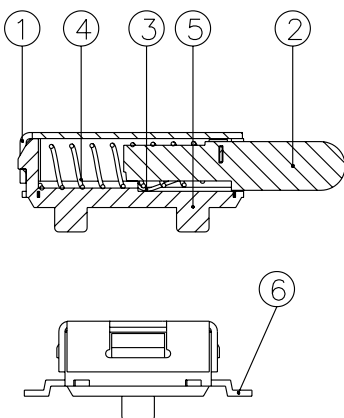
- Ultra-Low profile with 2mm
- Sharp detection feeling
- Halogen Free

Specifications

Contact Rating	: 1mA, 5V DC
Contact Resistance	: 1Ω Max.
Insulation Resistance	: 100MΩ Min. 100V DC
Dielectric Strength	: 100V AC/1 minute
Operating Force	: 105gf Max.
Travel	: 2mm
Operating Life	: 100000 cycles
Operating Temperature	: -10°C to +60°C
Storage Temperature	: -40°C to +85°C

Construction

Item	Part Name	Materials	Treatment	Qty.
1	Cover	Stainless Steel	-	1
2	Stem	High-Temp Thermoplastic PA9T	Molded Black	
3	Contact	Stainless Steel	1. With Silver Plating 2. Gold Plated	
4	Spring		-	
5	Base	High-Temp Thermoplastic PA9T	-	
6	Terminal	Phosphor Bronze	1. With Silver Plating 2. Gold Plated	

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Soldering Conditions

Condition for Soldering- MP-FTE series
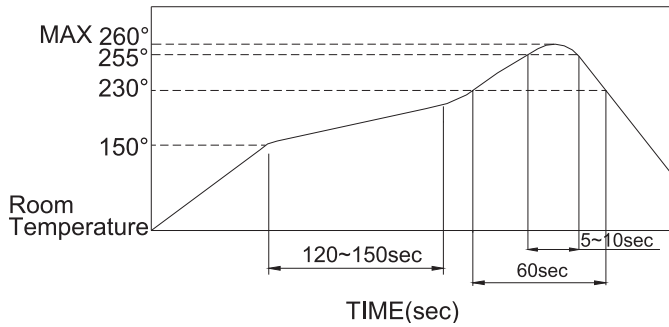
The condition mentioned above is the temperature on the Cu foil of the PCB surface.

There are cases where board's temperature greatly differs from switch's surface temperature depending on board's material, size, thickness, etc. Care, therefore, should be used not to allow switch's surface temperature to exceed 260°C.

Manual Soldering

Soldering Temperature	Max. 350°C
Continuous Soldering Time	Max. 5 seconds

Diagram

CIRCUIT

FTE-3

Part Number Table
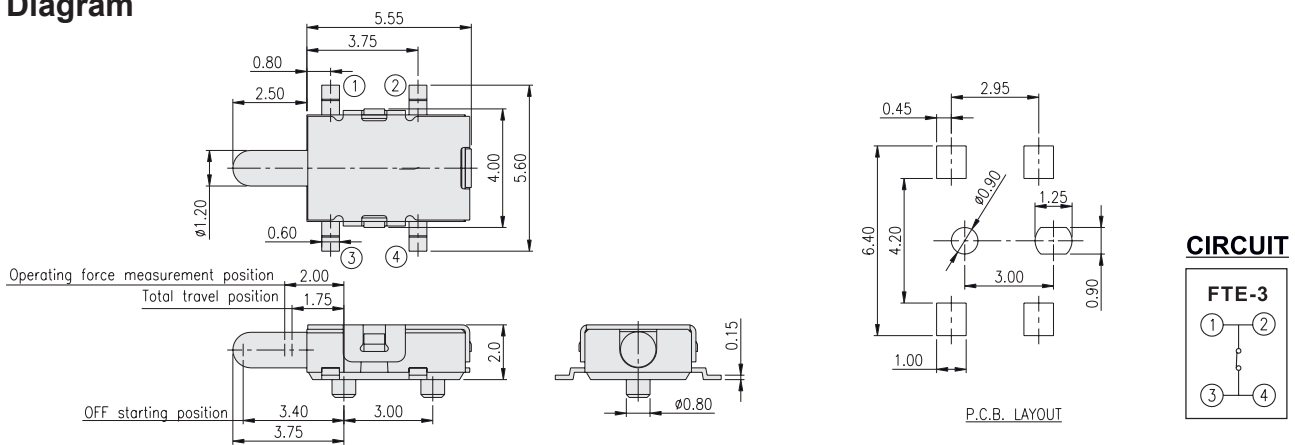
Dimensions : Millimetres

Description	Part Number
Detector Switch, Horizontal Type, 1mA, 5V DC, Tape and Reel	MP-FTE-3C-A-V-T/R

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