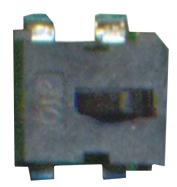
Detector Switch - Card





Specifications:

Mechanical:

Maximum Operating Force : 40gf

Maximum Stroke : 3.9mm (stem height 5.3mm)

2.6mm (stem height 3.8mm)

Operating Temperature : -10°C to +60°C Storage Temperature : -20°C to +70°C

External Height : 2.3mm
External Width : 4.7mm
External Depth : 3.8mm

Electrical:

Electrical Life : 100,000 Cycles Rating : 1mA, 5V DC

Maximum Contact Resistance : 1Ω

Minimum insulation resistance : $100M\Omega$ at 100V DC Dielectric Strength : 100V AC/1minute

Rate Of Operating : 20 to 25 operation per minute

Contact Arrangement : 1 pole
Contact Configuration : SPST-NO

Material:

Cover(1) : LCP High-temperature thermoplastic

Colour : Black

Cover(2) : LCP High-temperature thermoplastic

Colour : Black

Stem : LCP High-temperature thermoplastic

Colour : Black

Contact : Stainless with silver cladding

Base : PA9T High-temperature thermoplastic

Colour : Black

Contact disc : Stainless with silver cladding Terminal : Brass with silver plated

Soldering Process:

For best results, please follow these recommendations:

Hand Soldering : Use a soldering iron of 30W, controlled at 608°F (350°C) approximately maximum 5

seconds while applying

Reflow Soldering : When applying reflow soldering, the peak temperature or the reflow oven should be

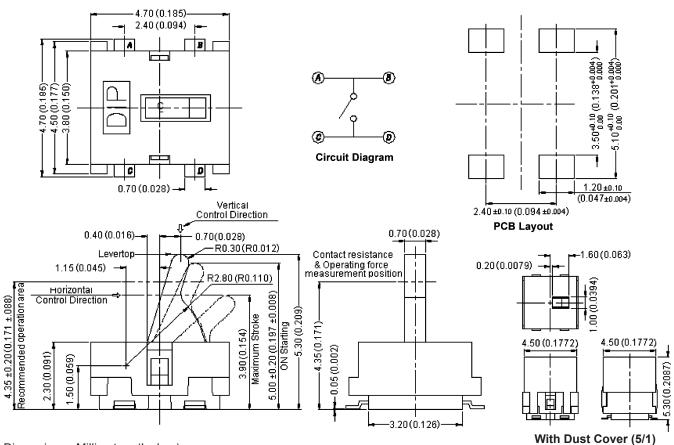
set to 260°C maximum



Detector Switch - Card

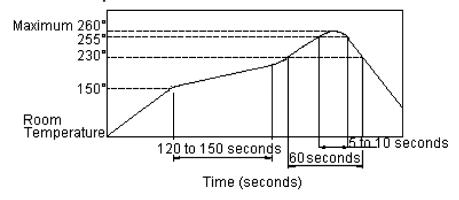


MCATE-1



Dimensions: Millimetres (Inches)

Reflow Temperature Profile:

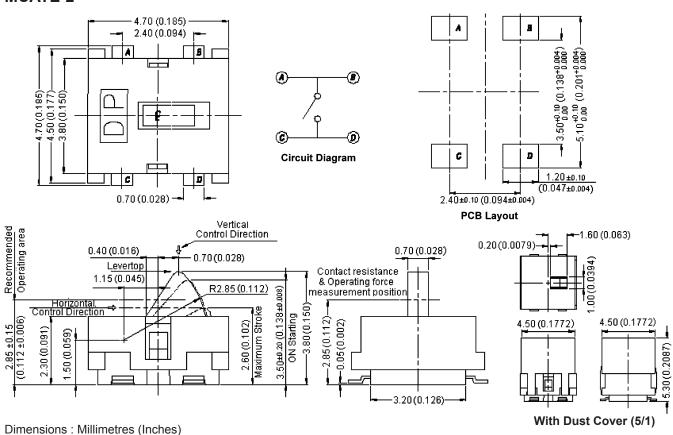




Detector Switch - Card



MCATE-2



Part Number Table

Description	Part Number
Switch, Card Detect, Top Actuated	MCATE-1-V
Switch, Card Detect, Top Actuated	MCATE-2-V

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