

6 x 3.5mm Compact Tactile Switch

Features

Optimized Mechanical Features

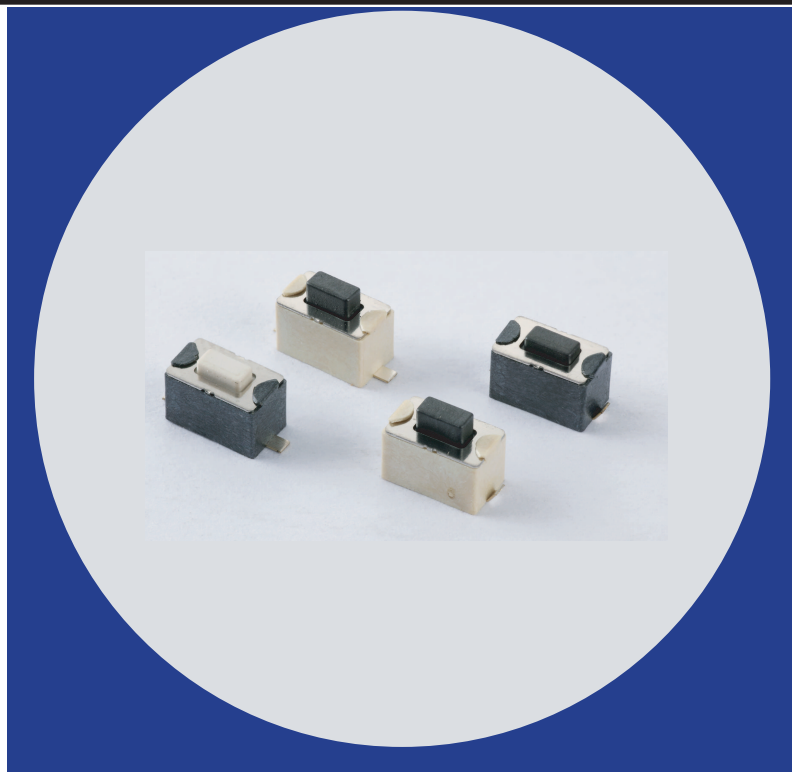
- Surface mount gull-wing and J bend terminal configurations
- Compatible with IR reflow and manual soldering
- Variety of operating force & actuator height options

Optimized Contact System

- Excellent tactile feedback

Materials

- Silver coated terminals for better solderability
- High temperature materials (UL94V-0)
- RoHS compliant



Electrical and Mechanical Specifications

Switch Contact Resistance

100 milliohms maximum

Insulation Resistance

100 Megohms minimum between terminals

Maximum Rating

50mA, 12 VDC

Dielectric Strength

250 VAC for 1 minute between adjacent terminals

Operating Force

160 gf or 260gf

Travel

0.25mm

Operating Temperature

- 40°C to +85°C

Storage Temperature

- 40°C to +85°C

Actuator Strength

2 Kgf maximum

Actuation Life

160 gf: 50,000 cycles

260 gf: 30,000 cycles

Allowable Solder Time

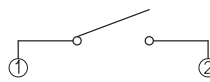
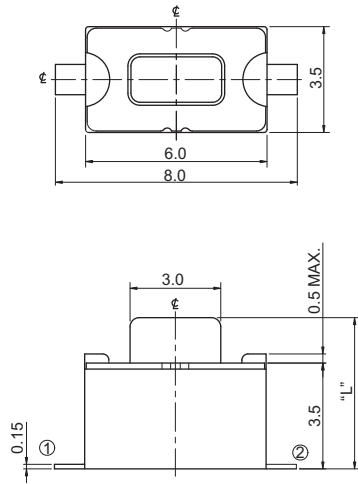
IR Reflow: Up to 5 seconds at 260°C

Manual soldering: Up to 3 seconds at 350°C

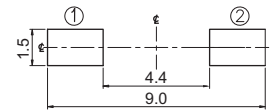
Packaging

Standard: Tape and reel packaging with 330mm diameter reel and 16mm wide plastic tape

CTS SERIES 222BMV - Surface Mount Gull Wing, Vertical Actuation



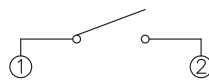
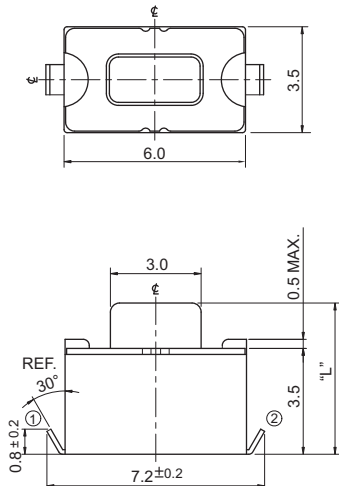
CIRCUIT DIAGRAM



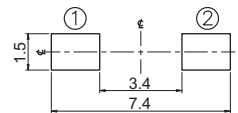
PCB LAYOUT

DIMENSION : mm
STANDARD TOLERANCE :
.X (1 PLACE) : ± 0.15

CTS SERIES 222BJV - Surface Mount J Bend, Vertical Actuation



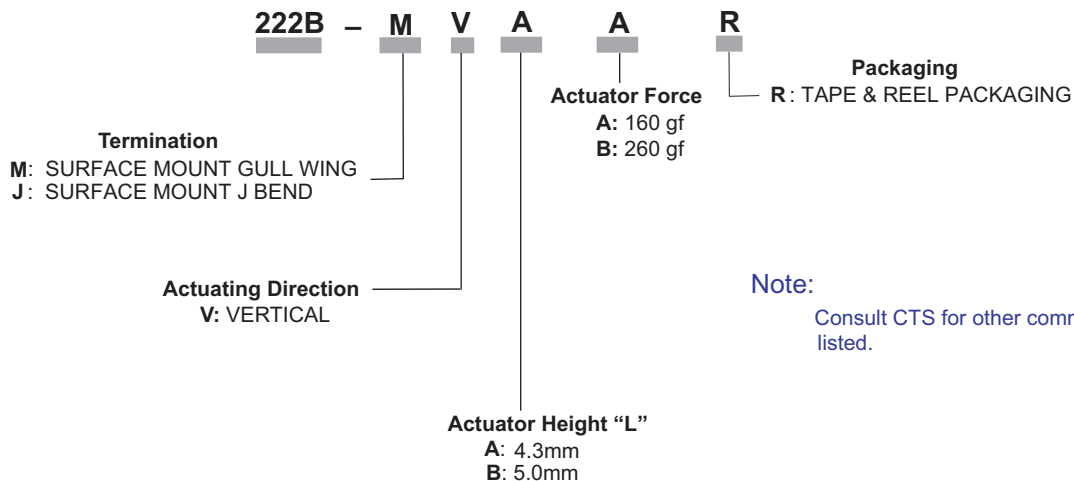
CIRCUIT DIAGRAM



PCB LAYOUT

DIMENSION : mm
STANDARD TOLERANCE :
.X (1 PLACE) : ± 0.15

Ordering Information



Mouser Electronics

Authorized Distributor

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CTS:

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