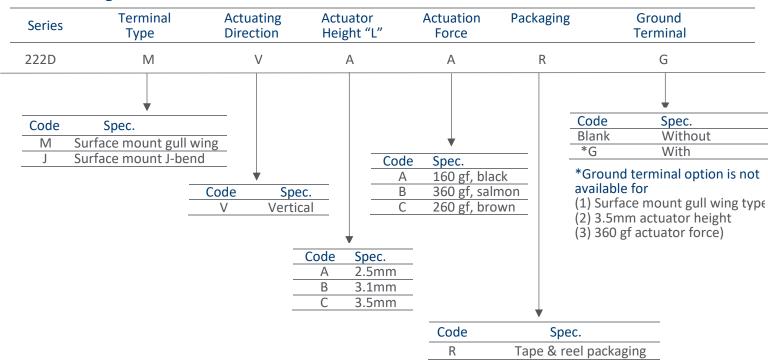


Series 222D 6.2 x 6.2mm Compact Tactile Switch

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



Ordering Information



Notes: Contact CTS for other common features not listed.





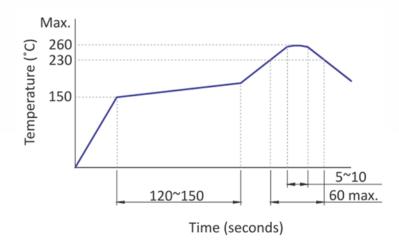
Electrical Specifications

| Parameter | Conditions & Remarks | Min | Max | Unit |
|---------------------------|------------------------------------|-----|----------|-----------|
| Contact Resistance | | | 100 | milliohms |
| Insulation Resistance | Between insulated terminals | 100 | | Megohms |
| Dielectric Strength | 1 minute between adjacent switches | | 250 | VAC |
| | | | 50 | mA |
| Nonswitching Rating | | | or 12 | or VDC |

Mechanical and Environmental

| Soldering | Maximum reflow temperature, 260°C for 5 seconds Maximum manual temperature, 350°C for 3 seconds | |
|------------------------------|----------------------------------------------------------------------------------------------------|--|
| RoHS | Lead-Free. Fully compliant to RoHS Directive 2011/65/EU | |
| Operating Force | 160±50 gf 260±50 gf 360±80 gf | |
| Actuation Life | 160 gf: 1,000,000 cycles 260 gf: 500,000 cycles 360 gf: 200,000 cycles | |
| Actuator Strength | 3 Kgf maximum | |
| Travel | $0.25^{+0.2}_{-0.1}\mathrm{mm}$ | |
| Packaging | Standard tape and reel packaging | |
| Operating Temperature Range | -40°C to +85°C | |
| Storage Temperature Range | -40°C to +85°C | |
| | | |

Soldering Profile





Mechanical Specifications

Figure 1 – 222DM, Surface Mount Gull Wing, Without Ground Terminal

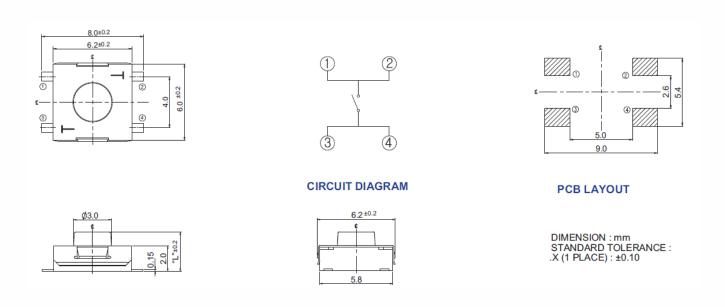


Figure 2 – 222DJ, Surface Mount J-Bend Terminal, Without Ground Terminal

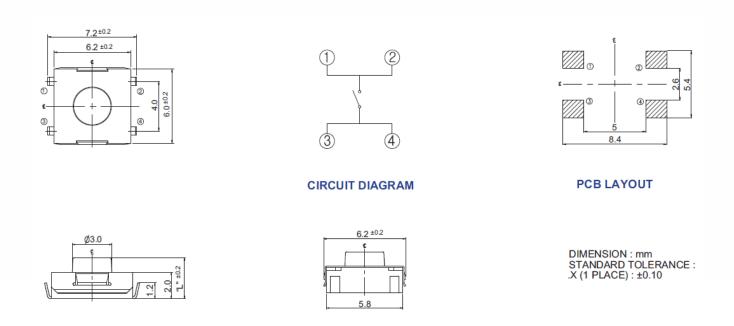
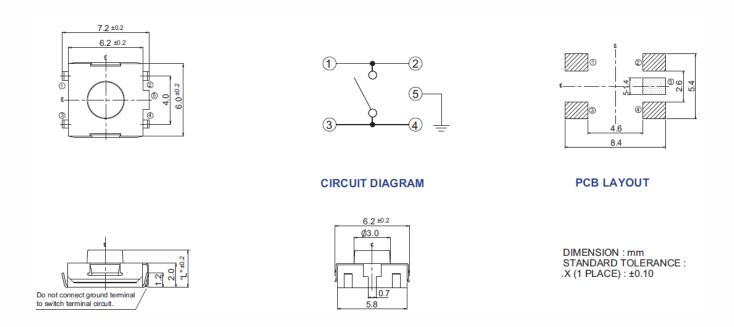




Figure 3 – 222DJ...G, Surface Mount J Bend Terminal, With Ground Terminal

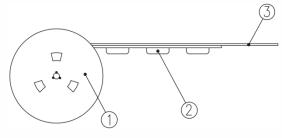


Packing: Tape and Reel

Surface Mount Gull Wing/J-Bend, Without Ground Terminal

The packing specifications:

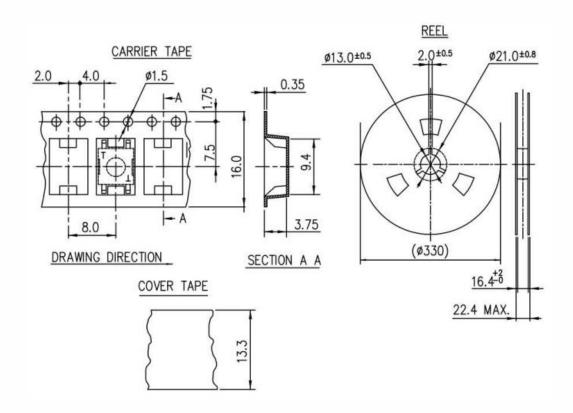
Structure and materials:



| No | PART NAME | MATERIAL |
|----|--------------|-------------|
| 1 | REEL | POLYSTYRENE |
| 2 | CARRIER TAPE | POLYSTYRENE |
| 3 | COVER TAPE | POLYESTER |

- 1. Packing quantity: 2,000 pcs/reel
- 2. More than 10 empty pockets should remain at each end of the carrier tape for each reel.
- Shortage of less than 10 pcs a reel is acceptable but no more than 3 consecutive empty pockets are allowed.
- 4. Stripping strength of cover tape is between 10 gf to 70 gf and stripping angle should be within 165°~180°
- 5. The product in the pocket of carrier tape should be placed in a specified correct position.
- 6. Tape and reel per EIA-481.
- 7. Dimensions:

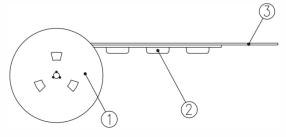




Surface Mount J-Bend, With Ground Terminal

The packing specifications:

Structure and materials:



| | No | PART NAME | MATERIAL |
|--|----|--------------|-------------|
| | 1 | REEL | POLYSTYRENE |
| | 2 | CARRIER TAPE | POLYSTYRENE |
| | 3 | COVER TAPE | POLYESTER |

- 1. Packing quantity: 2,200 pcs/reel
- 2. More than 10 empty pockets should remain at each end of the carrier tape for each reel.
- 3. Shortage of less than 10 pcs a reel is acceptable but no more than 3 consecutive empty pockets are allowed.
- 4. Stripping strength of cover tape is between 10 gf to 70 gf and stripping angle should be within 165° 180°.
- 5. The product in the pocket of carrier tape should be placed in a specified correct position.
- 6. Tape and reel per EIA-481.
- 7. Dimensions:



