

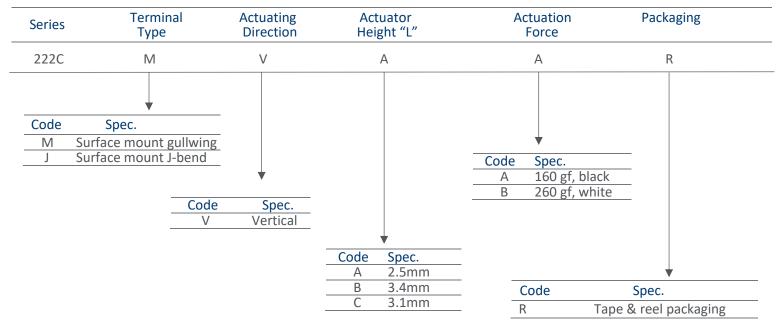


Series 222C 6.2 x 6.2mm Compact Tactile Switch

- 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.

2020-02-06 Rev. C

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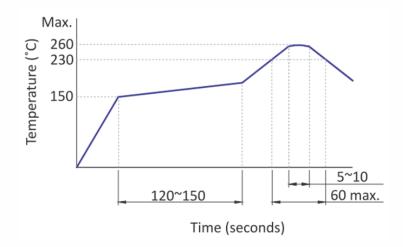
Electrical Specifications

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
Nonswitching Rating			50 or 12	mA 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	
Actuation Life	160 gf: 1,000,000 cycles 260 gf: 500,000 cycles	
Actuator Strength	3 Kgf maximum	
Travel	0.25 ^{+0.2} _{-0.1} mm	
Packaging	Standard tape and reel packaging	
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +85°C	

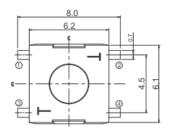
Soldering Profile

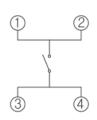


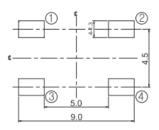


Mechanical Specifications

Figure 1 – 222CM, Surface Mount Gull Wing

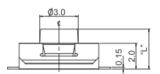






CIRCUIT DIAGRAM





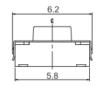
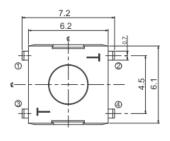
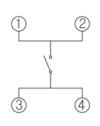
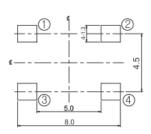




Figure 2 – 222CJ, Surface Mount J-Bend

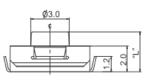






CIRCUIT DIAGRAM

PCB LAYOUT





DIMENSION: mm STANDARD TOLERANCE: .X (1 PLACE): ±0.10

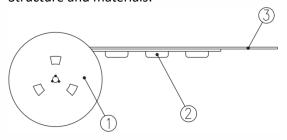


Packing: Tape and Reel

Surface Mount Gull Wing/J Bend, 2.5mm Actuator Height

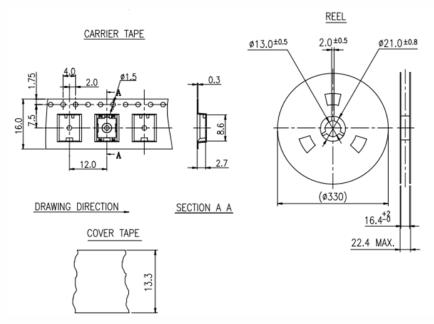
The packing specifications:

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.
- 3. Shortage of less than 10 pcs a reel is acceptable but no more than 3 consecutive empty pockets are not allowed.
- 4. Stripping strength of cover tape is between 10 gf to 70 gf and stripping angle should be within $165^{\circ}180^{\circ}$.
- 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:

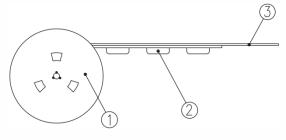


Surface Mount Gull Wing/J Bend, 3.1/3.4mm Actuator Height



The packing specifications:

Structure and materials:



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

- 1. Packing quantity: 1,300 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:

