

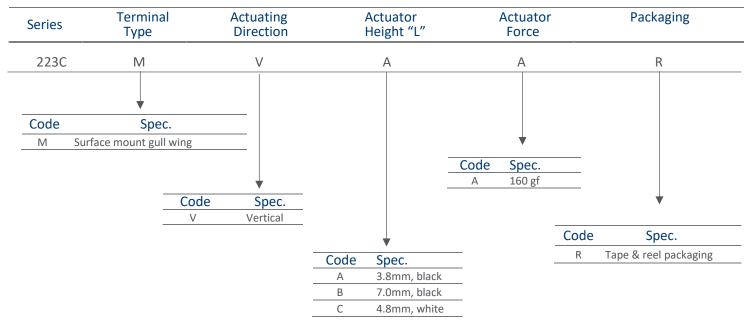
Series 223C

4.5x4.5mm Compact Tactile Switch

- Surface mount gull-wing terminal configurations
- Compatible with IR reflow and manual soldering
- Variety of actuator height options



Ordering Information



Notes: Contact CTS for other common features not listed.



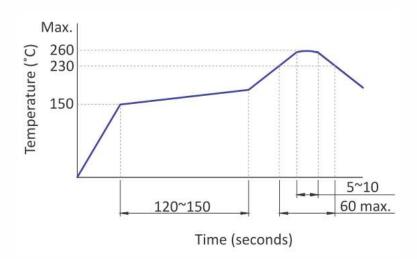
Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Contact Resistance			100	milliohms
Insulation Resistance	Between insulated terminals	100		Megohms
Dielectric Strength	1 minute between adjacent switches		100	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				
Actuation Life	1,000,000 cycles				
Actuator Strength	3 Kgf maximum				
Travel	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				

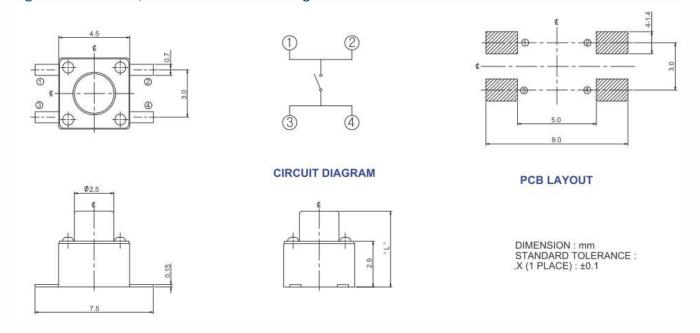
Soldering Profile





Mechanical Specifications

Figure 1 – 223CM..., Surface Mount Gull Wing

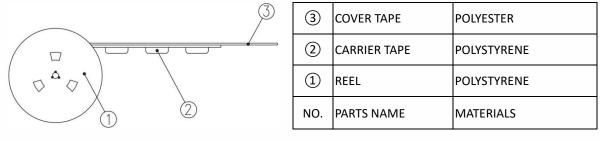


Packing: Tape and Reel

Surface Mount Gull Wing, 3.8/4.8mm Actuator Height

The packing specifications:

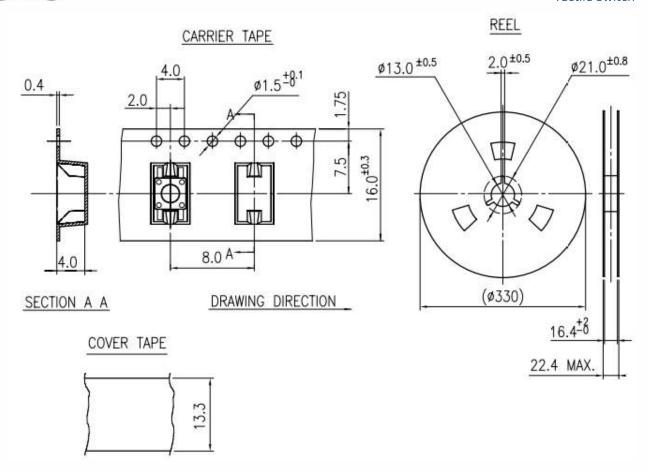
1. Structure and materials:



- 2. Packing quantity: 1,800 pcs/reel
- 3. More than 10 empty pockets should be remained at both ends of the carrier tape for each reel.
- Shortage less than 10 pcs a reel is acceptable but more than 3 running pockets shortage is not allowed.
- 5. Stripping strength of cover tape is between 10 gf to 70 gf and stripping angle should be within 165° 180°.
- 6. The product in the pocket of carrier tape should be placed in a specified correct position.
- 7. Tape and reel per EIA-481
- 8. Dimensions:



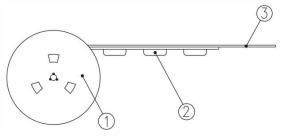




Surface Mount Gull Wing, 7.0mm Actuator Height

The packing specifications:

1. Structure and materials:



3	COVER TAPE	POLYESTER
2	CARRIER TAPE	POLYSTYRENE
① REEL		POLYSTYRENE
NO.	PARTS NAME	MATERIALS

- 2. Packing quantity: 700 pcs/reel
- 3. More than 10 empty pockets should be remained at both ends of the carrier tape for each reel.
- 4. Shortage less than 10 pcs a reel is acceptable but more than 3 running pockets shortage is not allowed.
- 5. Stripping strength of cover tape is between 10 gf to 70 gf and stripping angle should be within 165°~180°.
- 6. The product in the pocket of carrier tape should be placed in a specified correct position.
- 7. Tape and reel per EIA-481
- 8. Dimensions:





