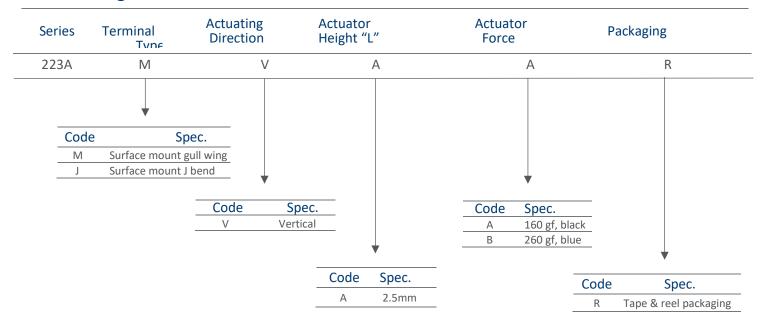


Series 223A 4.7x3.5mm Compact Tactile Switch

- 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.





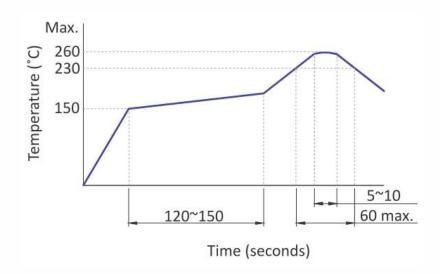
Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Contact Resistance			500	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: 300,000 cycles 260 gf: 100,000 cycles	
Actuator Strength	3 Kgf maximum	
Travel	0.3 ^{+0.1} _{-0.2} 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 – 223AM..., Surface Mount Gull Wing

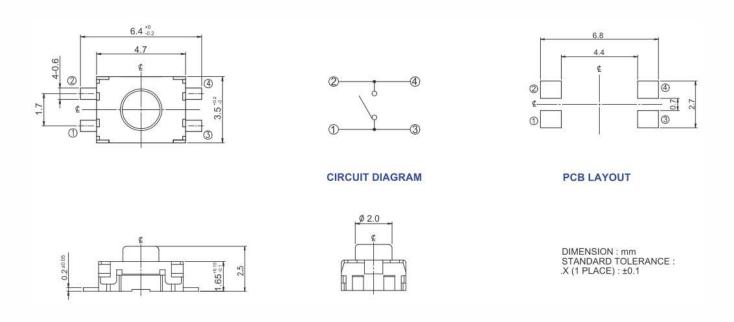
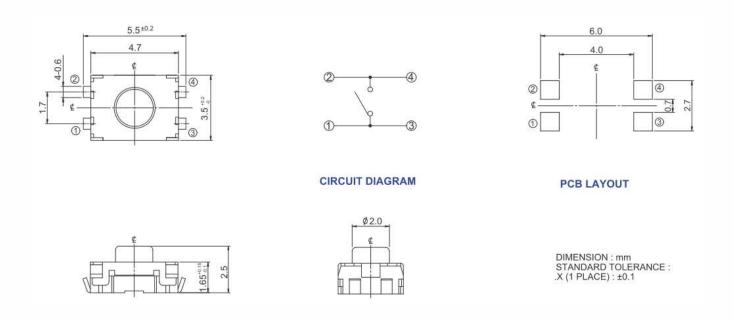


Figure 2 – 223A..., Surface Mount J Bend Terminal



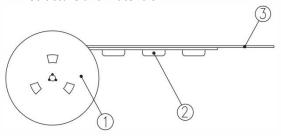


Packing: Tape and Reel

Surface Mount Gull Wing/J Bend Terminal

The packing specifications:

Structure and materials:



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

- 1. Packing quantity: 2,500 pcs/reel
- 2. More than 10 empty pockets should remain at each end of the carrier tape for each reel.
- 3. Shortage 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-C
- 7. Dimensions:

