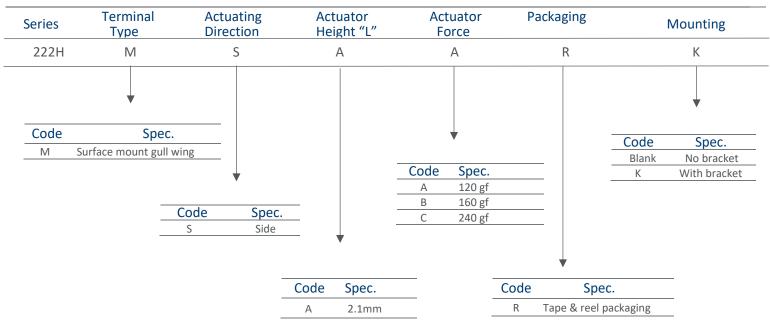


Series 222H 6.2x3.5mm Compact Tactile Switch

- Surface mount terminal configuration
- 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.





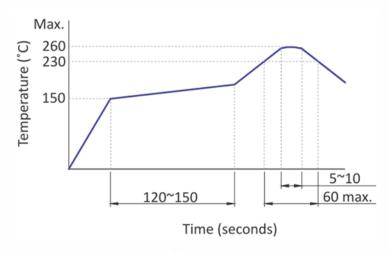
Electrical Specifications

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 and 2015/863/EU			
Operating Force	120±50 gf 160±50 gf 240±60 gf			
Actuator Life	120 gf: 1,000,000 cycles 160 gf, no bracket: 1,000,000 cycles 160gf, with bracket: 200,000 cycles 240 gf: 500,000 cycles			
Actuator Strength	2 Kgf maximum			
Travel	0.15±0.1mm			
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 – 222H..., Surface Mount Without Bracket

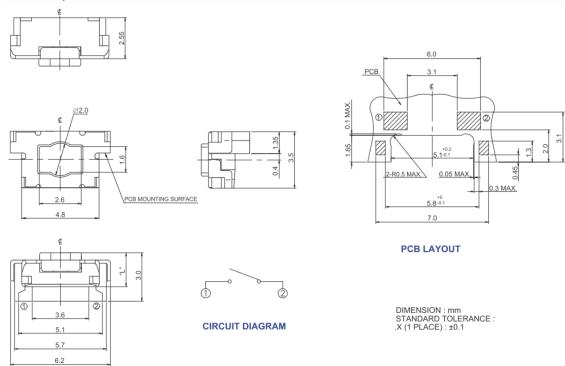
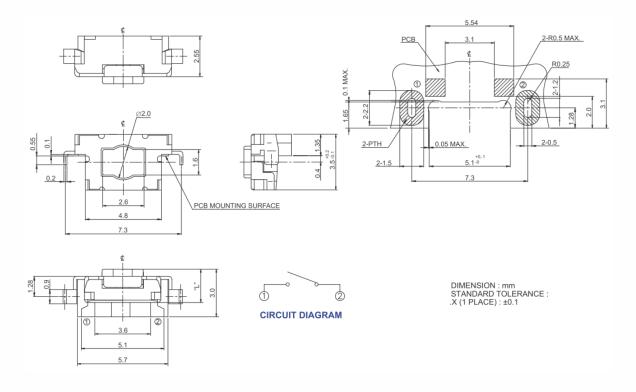


Figure 2 – 222H...K, Surface Mount With Bracket



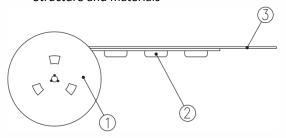


Packing: Tape and Reel

Surface Mount Without Bracket

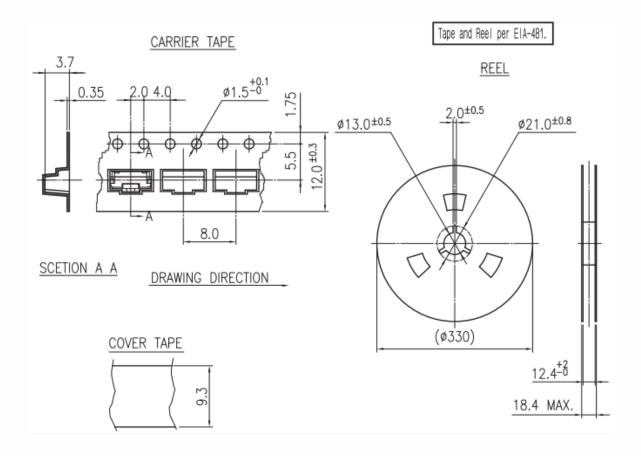
The packing specifications:

Structure and materials:



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

- 1. Packing quantity: 2,000 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 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:

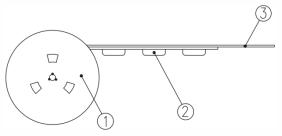




Surface Mount With Bracket

The packing specifications:

Structure and materials:



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

- 8. Packing quantity: 1,200 pcs/reel
- 9. More than 10 empty pockets should remain at each end of the carrier tape for each reel.
- 10. Shortage less than 10 pcs a reel is acceptable but more than 3 consecutive empty pockets are not allowed.
- 11. Stripping strength of cover tape is between 10 gf to 70 gf and stripping angle should be within 165° 180°.
- 12. The product in the pocket of carrier tape should be placed in a specified correct position.
- 13. Tape and reel per EIA-481.
- 14. Dimensions:

