

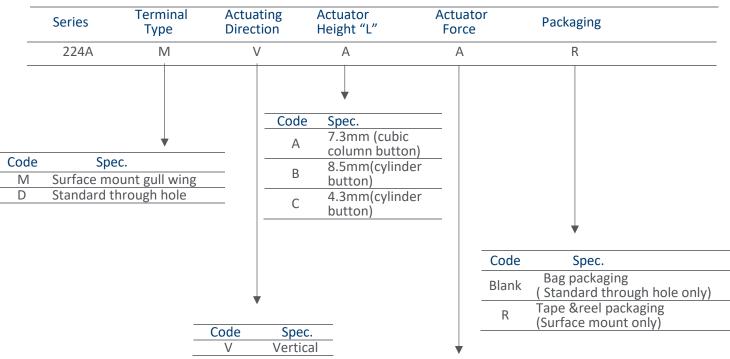


Series 224A 12x12x3.5mm Compact Tactile Switch

- Surface mount gull-wing terminal and standard through hole configurations
- Compatible with IR reflow, wave and manual soldering
- Compatible with automatically dip-soldering
- Variety of operating force & actuator height options



Ordering Information



Code	Spec.
Α	160 gf, black
В	260gf, natural
С	120gf, gray





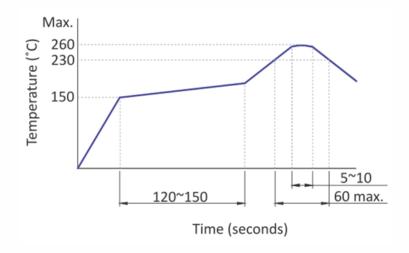
Electrical Specifications

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 260 ± 70 gf	
Actuation Life	120 gf: 1,000,000 cycles 160 gf: 500,000 cycles 260 gf: 300,000 cycles	
Actuator Strength	3 Kgf maximum	
Travel	0.3±0.1 mm	
Packaging	ing Bag 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 –224AMVA... Surface Mount Gull Wing, Actuator Height 7.3mm

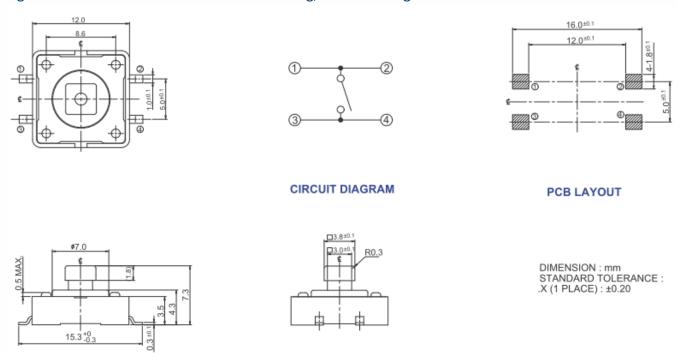


Figure 2 –224AMVB... Surface Mount Gull Wing, Actuator Height 8.5mm

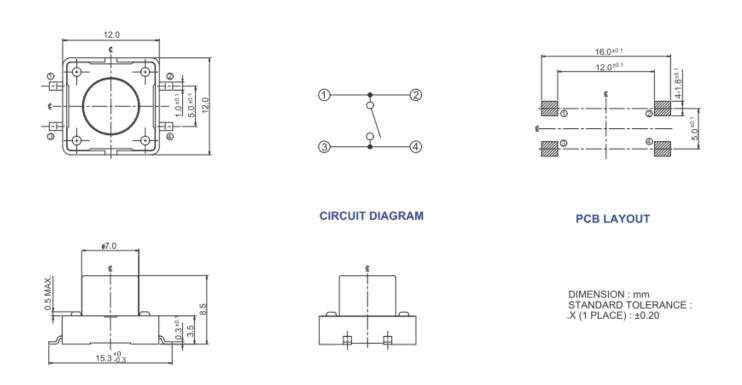




Figure 3 –224AMVC... Surface Mount Gull Wing, Actuator Height 4.3mm

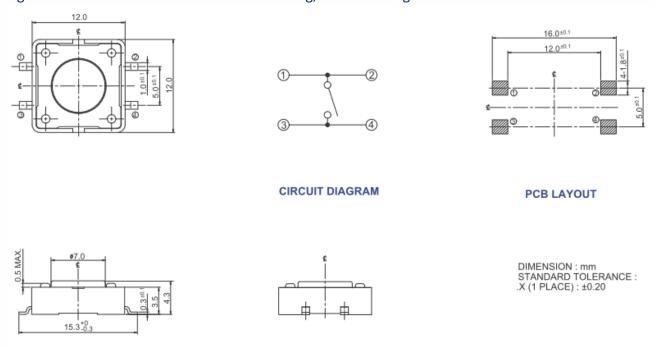


Figure 4 –224ADVA... Standard Through Hole, Actuator Height 7.3mm

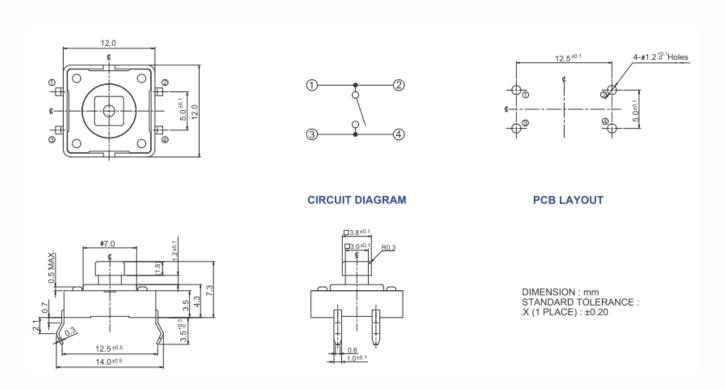




Figure 5 –224ADVB... Standard Through Hole, Actuator Height 8.5mm

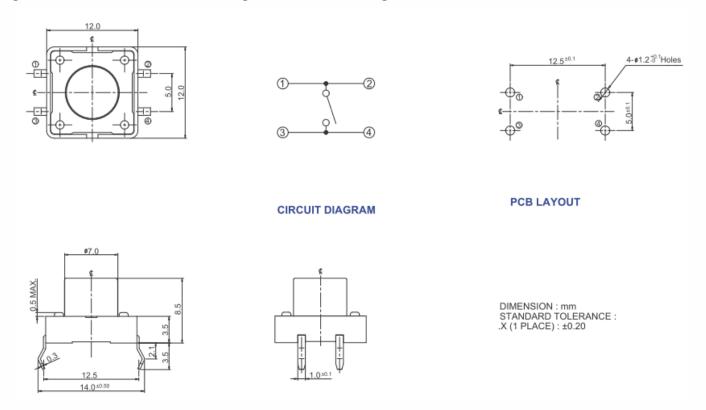
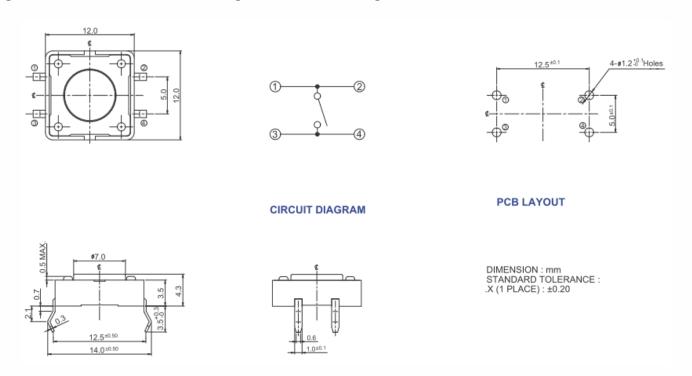


Figure 6 –224ADVC... Standard Through Hole, Actuator Height 4.3mm



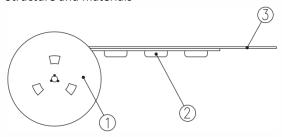


Packing: Tape and Reel

Surface Mount Gull Wing

The packing specifications:

Structure and materials:



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

- 1. Packing quantity: 250 pcs/reel
- 2. More than 10 empty pockets should remain at each end of the carrier tape for each reel.
- 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
- 7. Dimensions:

