imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





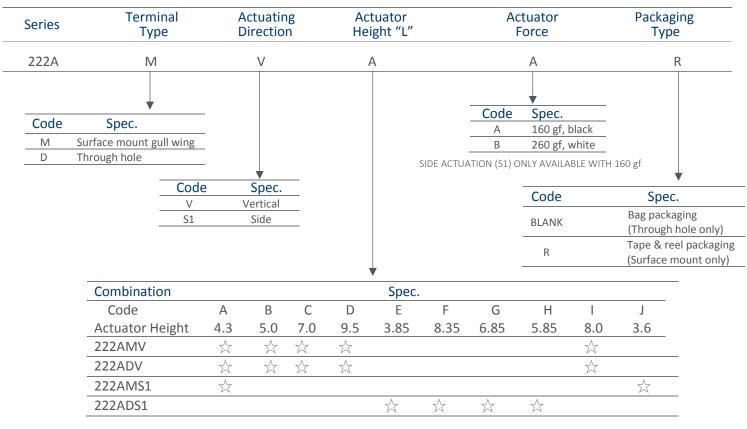
Series 222A 6.2 x 6.2mm Compact Tactile Switch

- Standard through hole and surface mount gull-wing terminal configurations
- Compatible with IR reflow, wave, and manual soldering
- Compatible with automatic dip-soldering
- Variety of operating force and actuator height options

Description

Excellent tactile feedback provides the user with simple and intuitive operation. The robust internal structure ensures long product life to meet various application requirements. Common product dimensions provide options to match your existing applications.

Ordering Information



Notes: Contact CTS for other common features not listed.

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RoHS

→ Sense

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 tempe Maximum manual temp		
Actuation Life	160 gf 260 gf	1,000,000 200,000	cycles
RoHS	Lead-Free. Fully complia	ant to RoHS Directive	2011/65/EU
Operating Force	160 or 260 gf		
Actuator Strength	3 Kgf maximum		
Travel	0.25mm		
Operating Temperature Range	-40°C to +85°C		
Storage Temperature Range	-40°C to +85°C		
Packaging	Standard bag packaging Standard tape and reel		

4-1.3±0.

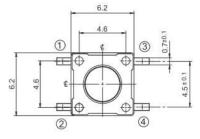
4.5±0.1

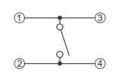
3

4

Mechanical Specifications

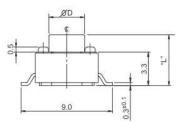
Figure 1 – Surface Mount Gull Wing, 222AM, Vertical Actuation





1

CIRCUIT DIAGRAM





PCB LAYOUT

9.5±0.1

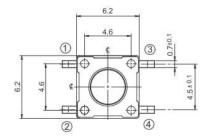
6.4^{±0,1}

¢

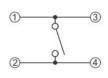
ØD	L
3.5	4.30
3.5	5.00
3.0	7.00
3.0	8.00
3.0	9.50

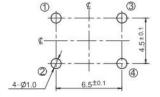
DIMENSION : mm STANDARD TOLERANCE : .X (1 PLACE) : ±0.20

Figure 2 – Through-Hole, 222AD, Vertical Actuation



ØD



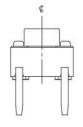


PCB LAYOUT

ØD	L
3.5	4.30
3.5	5.00
3.0	7.00
3.0	8.00
3.0	9.50

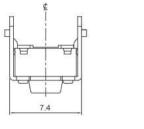
DIMENSION : mm STANDARD TOLERANCE : .X (1 PLACE) : ±0.20

0.3^{±0.1} 6.5^{±0.3} 7.9^{±0.3} **CIRCUIT DIAGRAM**

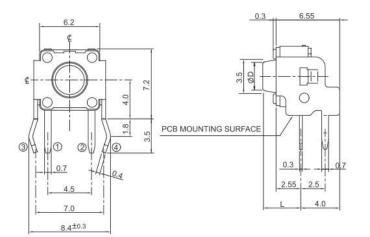


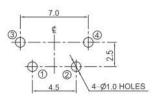
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Figure 3 – Through-Hole, 222ADS1, Side Actuation



CIRCUIT DIAGRAM



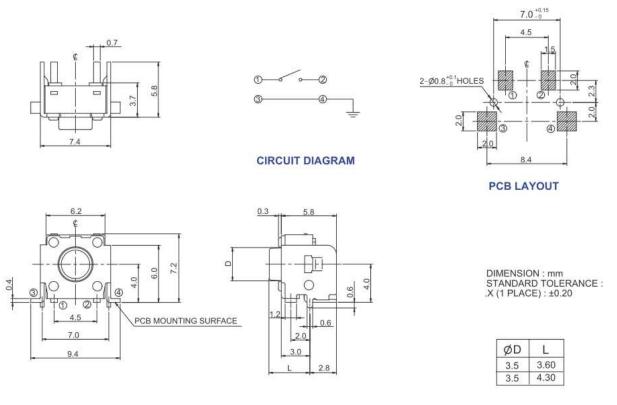


PCB LAYOUT

ØD	L
3.5	3.85
3.0	8.35
3.0	6.85
3.0	5.85

DIMENSION : mm STANDARD TOLERANCE : .X (1 PLACE) : ±0.20

Figure 4 –Surface Mount Gull Wing, 222AMS1, Side Actuation



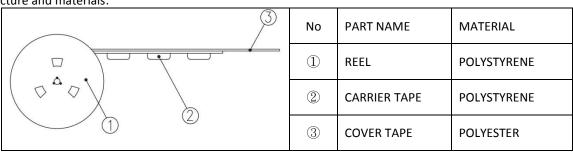
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Packing: Tape and Reel

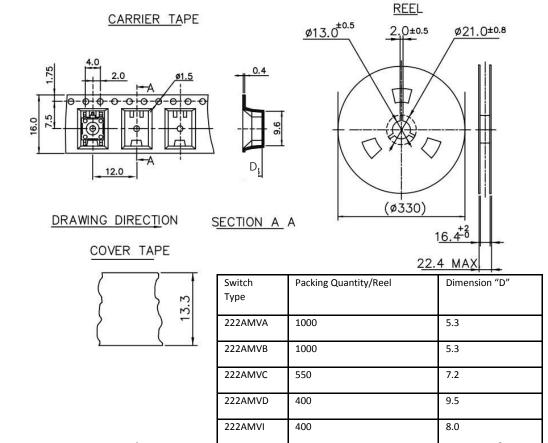
Surface Mount Gull Wing, Top Actuation, 222AMV...

The Packing Specifications:

Structure and materials:



- 1. More than 10 empty pockets should remain at each end of the carrier tape for each reel.
- 2. Shortage of less than 10 pcs a reel is acceptable but no more than 3 consecutive empty pockets are allowed.
- 3. Stripping strength of cover tape is between 10 gf to 70 gf and stripping angle should be within 165°~180°.
- 4. The product in the pocket of carrier tape should be placed in a specified correct position.
- 5. Tape and reel per EIA-481.
- 6. Dimensions:



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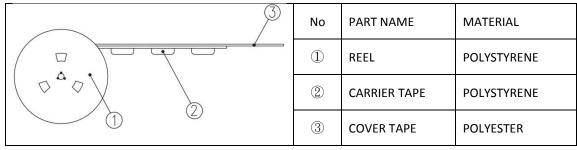
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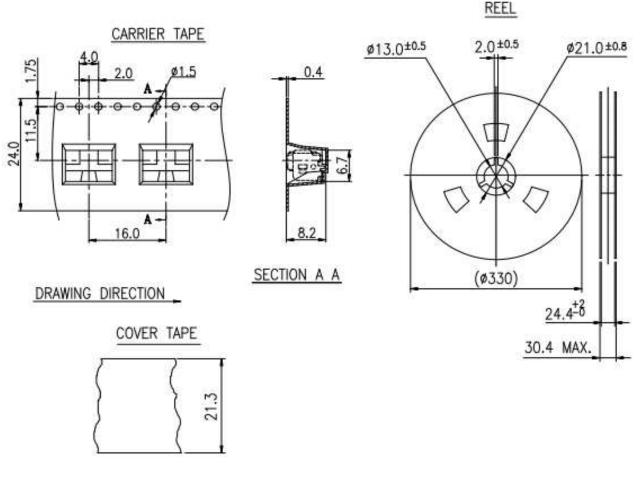
Surface Mount Gull Wing, Side Actuation, 222AMS1...

The Packing Specifications:

Structure and materials:



- 1. Packing quantity: 500 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 the carrier tape should be placed in a specified correct position.
- 6. Tape and reel per EIA-481.
- 7. Dimensions:



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