



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!



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# Series 222V

## 6.0 x 6.0mm Tactile Switch

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



### Ordering Information

Series	Terminal Type	Actuating Direction	Actuator Height “L”	Actuation Force	Packaging Type																								
222V	M	V	A	A	R																								
<div>↓</div> <table><tr><th>Code</th><th>Spec.</th></tr><tr><td>M</td><td>Surface mount gull wing</td></tr></table>		Code	Spec.	M	Surface mount gull wing	<div>↓</div> <table><tr><th>Code</th><th>Spec.</th></tr><tr><td>V</td><td>Vertical</td></tr></table>	Code	Spec.	V	Vertical	<div>↓</div> <table><tr><th>Code</th><th>Spec.</th></tr><tr><td>A</td><td>7.30mm</td></tr></table>	Code	Spec.	A	7.30mm	<div>↓</div> <table><tr><th>Code</th><th>Spec.</th></tr><tr><td>A</td><td>160 gf</td></tr><tr><td>B</td><td>260 gf</td></tr><tr><td>C</td><td>100 gf</td></tr></table>	Code	Spec.	A	160 gf	B	260 gf	C	100 gf	<div>↓</div> <table><tr><th>Code</th><th>Spec.</th></tr><tr><td>R</td><td>Tape &amp; reel packaging</td></tr></table>	Code	Spec.	R	Tape & reel packaging
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## Electrical Specifications

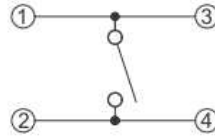
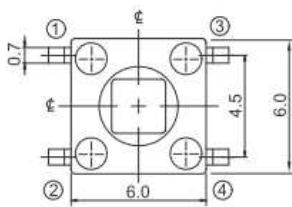
Parameter	Conditions & Remarks	Min	Max	Unit
Contact Resistance			100	milliohms
Insulation Resistance	Between insulated terminals	100		megohms
Dielectric Strength	250 VDC between adjacent switches		1	minute
Nonswitching Rating			50 or 12	mA or VDC

## Mechanical and Environmental

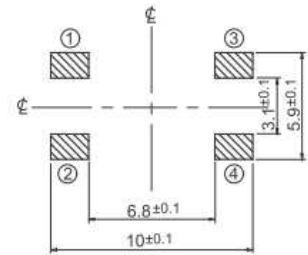
Soldering	Maximum reflow temperature, 260°C for 3 seconds Maximum manual temperature, 350°C for 3 seconds
RoHS	Lead-Free. Fully compliant to RoHS Directive 2011/65/EU
Operating Force	100, 160 or 260 gf
Actuation Life	100 gf: 100,000 cycles 160 gf: 80,000 cycles 260 gf: 60,000 cycles
Actuator Strength	2 Kgf maximum
Travel	0.25mm
Packaging	Standard tape and reel packaging
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C

### Mechanical Specifications

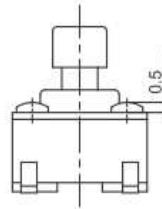
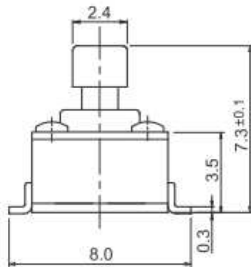
**Figure 1 – 222VMA., Surface Mount Gull Wing, Actuator Height 7.3mm**



**CIRCUIT DIAGRAM**



**PCB LAYOUT**



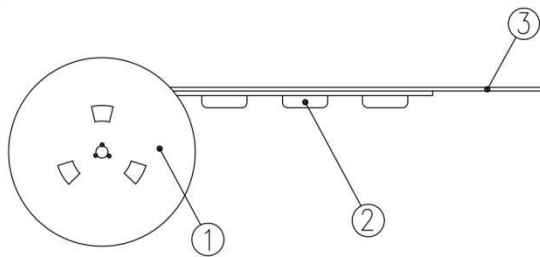
DIMENSION : mm  
STANDARD TOLERANCE :  
.X (1 PLACE) : ±0.3

### Packing: Tape and Reel

Surface Mount Gull Wing, Actuator Height 7.3mm

The packing specifications:

1. Structure and materials:



No	PART NAME	MATERIAL
①	REEL	POLYSTYRENE
②	CARRIER TAPE	POLYSTYRENE
③	COVER TAPE	POLYESTER

2. Packing quantity: 700 pcs/reel
3. More than 10 empty pockets should remain at each end of the carrier tape for each reel.
4. Shortage of less than 10 pcs a reel is acceptable but no more than 3 consecutive empty pockets are allowed.
5. Stripping strength of cover tape is between 10 gf to 130 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:



