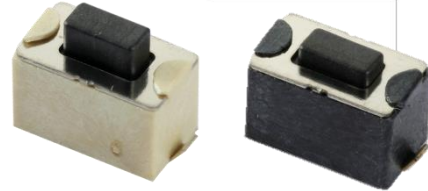




Series 222B

6 x 3.5mm Compact Tactile Switch

- Surface mount gull wing and J-bend terminal configurations
- Compatible with IR reflow, and manual soldering
- Variety of operating force and actuator height options
- Optional IP67 configuration



Description

Excellent tactile feedback provides 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

Series	Terminal Type	Actuating Direction	Actuator Height “L”	Actuator Force	Packaging	IP Protection																												
222B	M	V	A	A	R	6																												
<table><tr><th>Code</th><th>Spec.</th></tr><tr><td>M</td><td>Surface mount gull wing</td></tr><tr><td>J</td><td>Surface mount J-bend</td></tr></table>		Code	Spec.	M	Surface mount gull wing	J	Surface mount J-bend	<table><tr><th>Code</th><th>Spec.</th></tr><tr><td>V</td><td>Vertical</td></tr></table>	Code	Spec.	V	Vertical	<table><tr><th>Code</th><th>Spec.</th></tr><tr><td>A</td><td>4.3mm</td></tr><tr><td>B</td><td>5.0mm</td></tr></table>	Code	Spec.	A	4.3mm	B	5.0mm	<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></table>	Code	Spec.	A	160 gf	B	260 gf	<table><tr><th>Code</th><th>Spec.</th></tr><tr><td>Blank</td><td>None</td></tr><tr><td>6</td><td>IP67</td></tr></table>		Code	Spec.	Blank	None	6	IP67
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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
Actuation Life	160 gf 260 gf		50,000 30,000	cycles
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 or 260 gf
Actuator Strength	2 Kgf maximum
Travel	0.25mm 0.15mm with IP67
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C
Packaging	Standard tape and reel packaging

Mechanical Specifications

Figure 1 – 222BMV, Surface Mount Gull Wing, Vertical Actuation, Not IP67

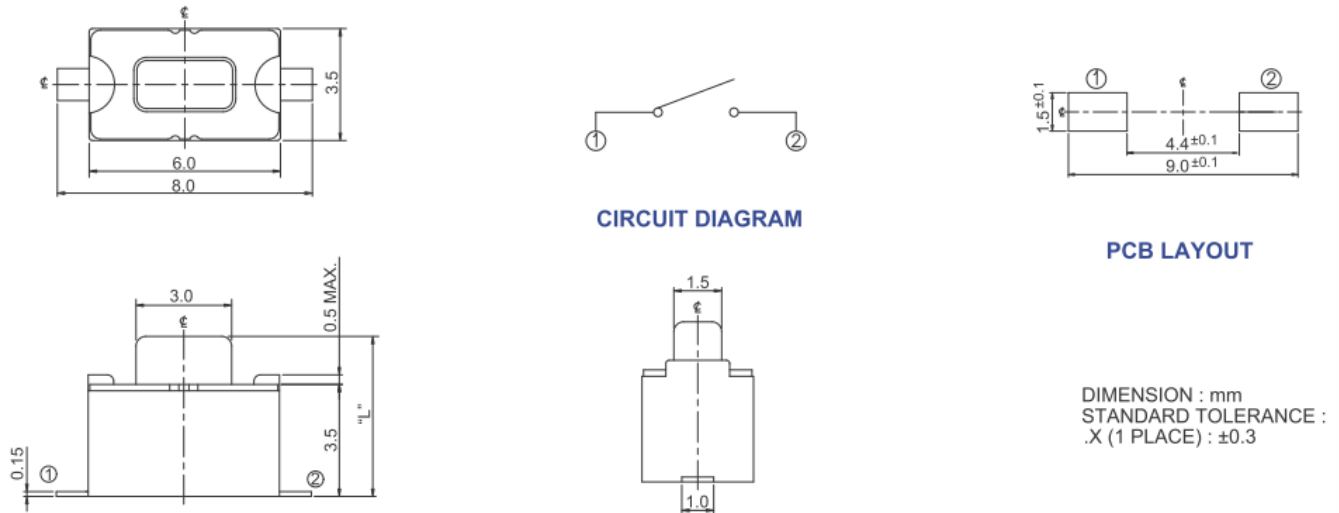


Figure 2 – 222BJV, Surface Mount J-Bend, Vertical Actuation, Not IP67

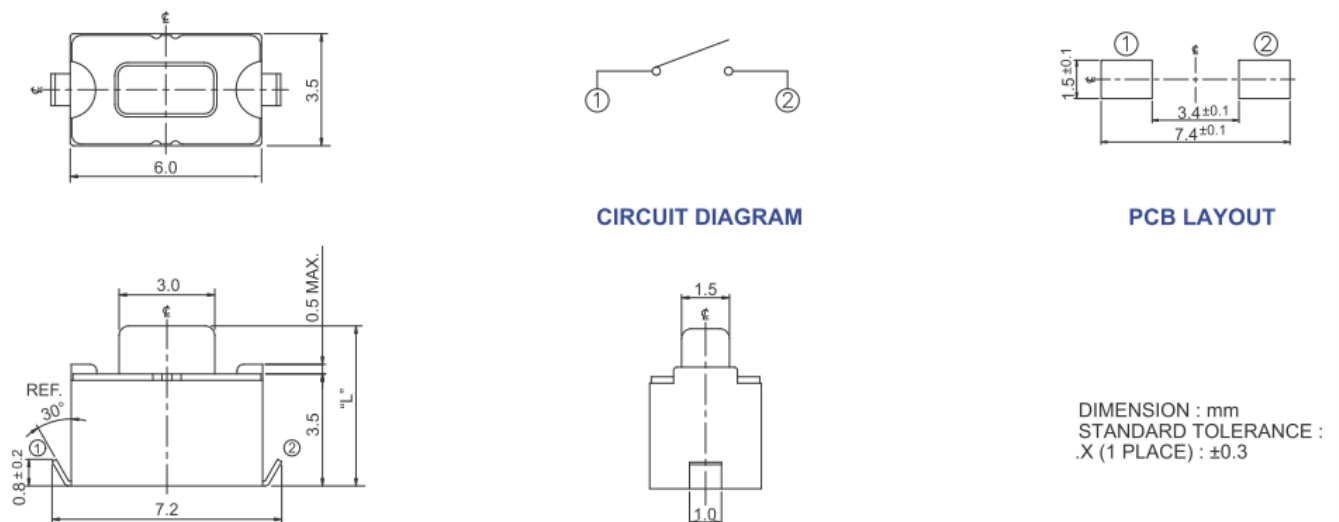


Figure 3 – 222BMV...6, Surface Mount Gull Wing, Vertical Actuation, IP67

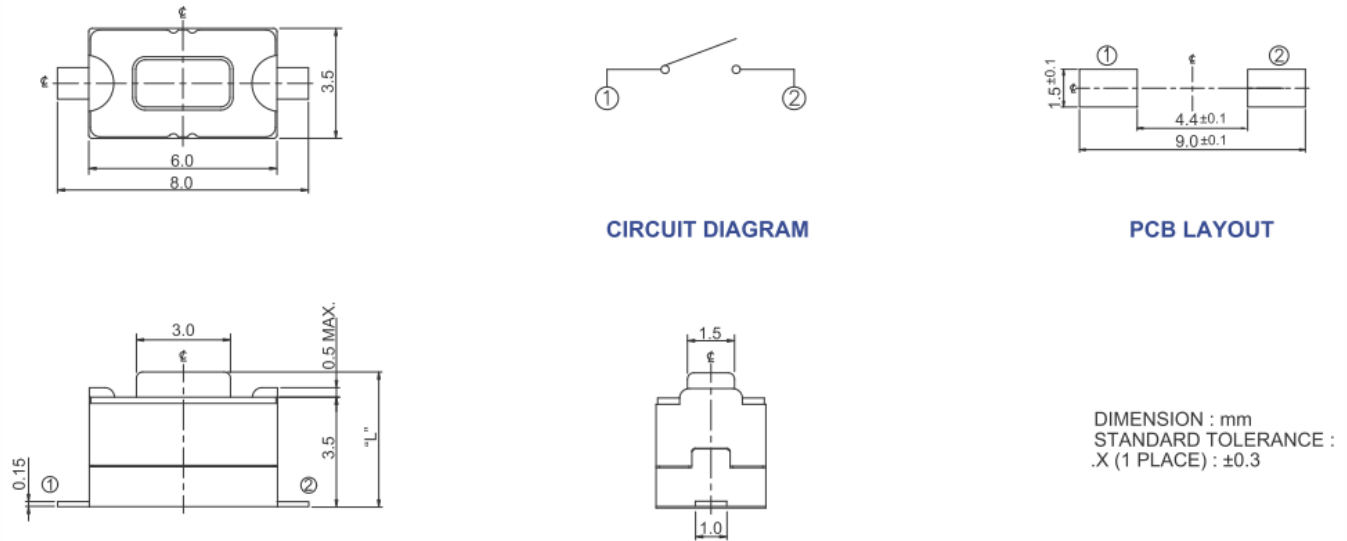
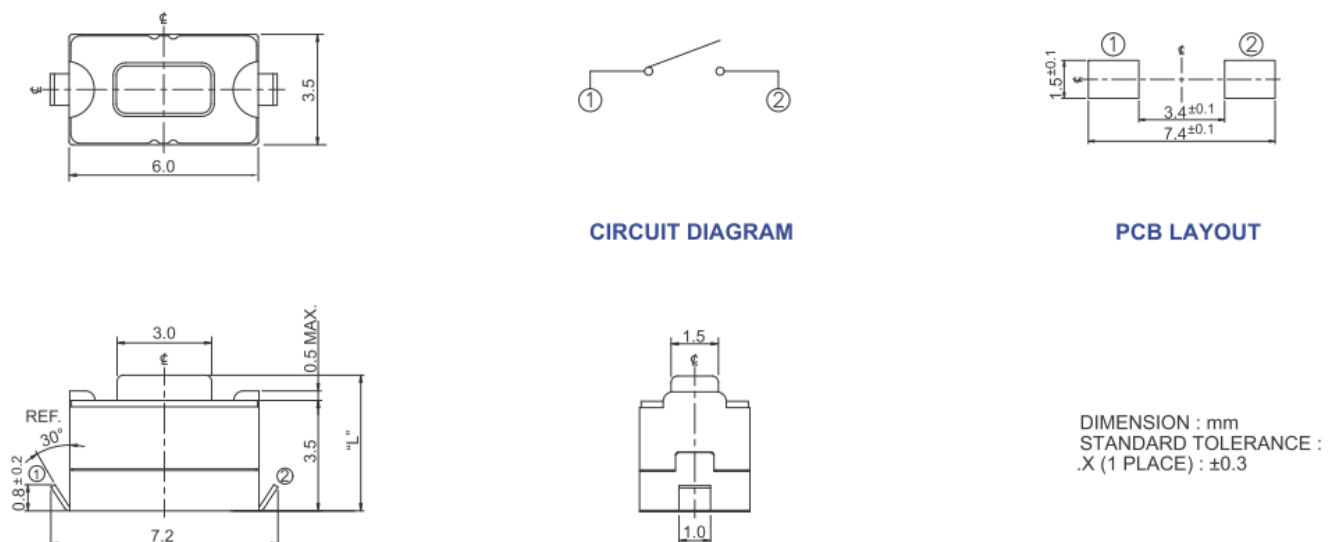


Figure 4 – 222BJV...6, Surface Mount J Bend, Vertical Actuation, IP67

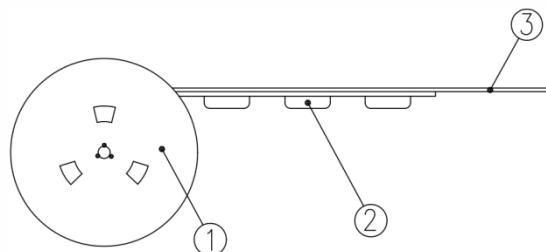


Packing: Tape and Reel

Surface Mount Gull Wing/J-Bend, Top Actuation

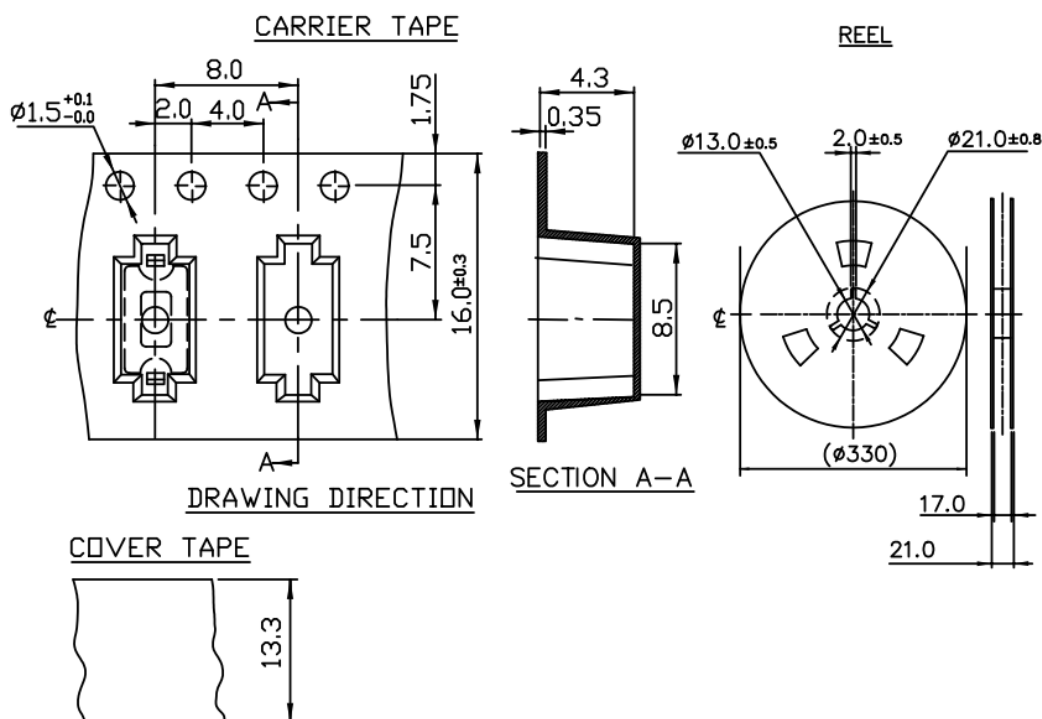
The packing specification:

1. Structure and materials:



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

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



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CTS:

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