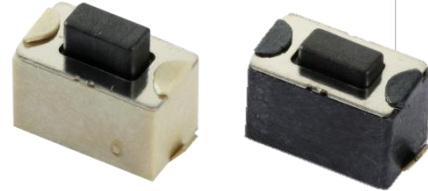




Series 222B

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



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>160 gf, black</td></tr><tr><td>B</td><td>260 gf, white</td></tr></table>	Code	Spec.	A	160 gf, black	B	260 gf, white	<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.

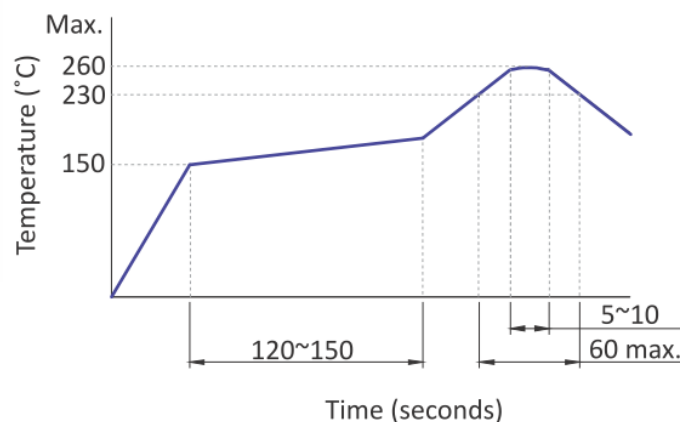
Electrical Specifications

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
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±50 gf 260±70 gf
Actuation Life	160 gf: 50,000 cycles 260 gf: 30,000 cycles
Actuator Strength	2 Kgf maximum
Travel	0.25±0.1 mm 0.15±0.1 mm (IP67)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C
Packaging	Standard tape and reel packaging

Soldering Profile



Mechanical Specifications

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

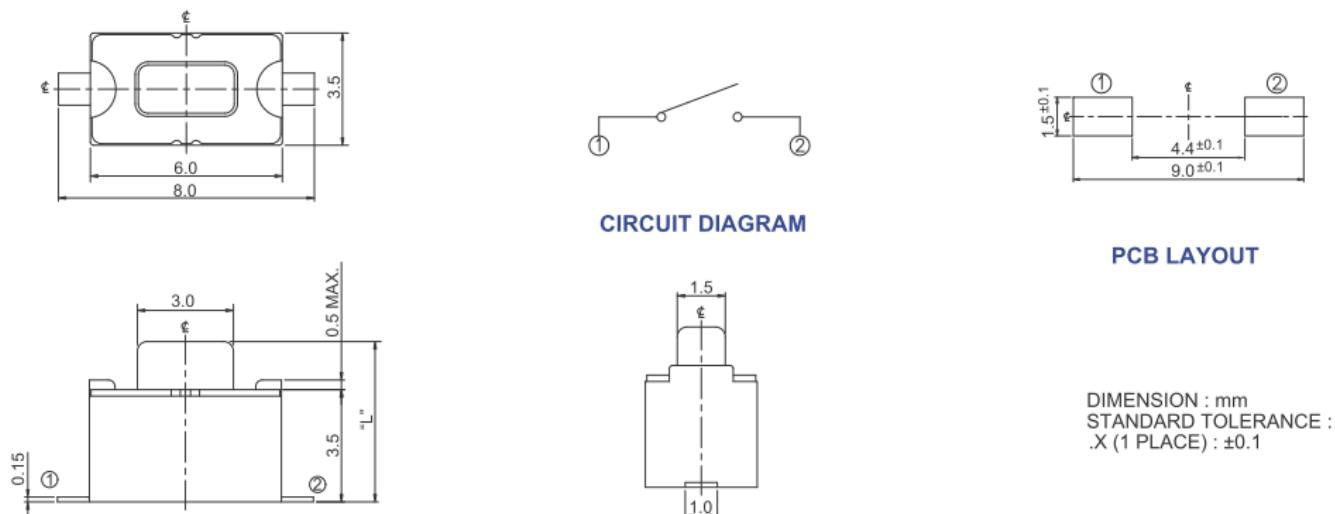


Figure 2 – 222BJV, Surface Mount J-Bend, Vertical Actuation, Not IP67

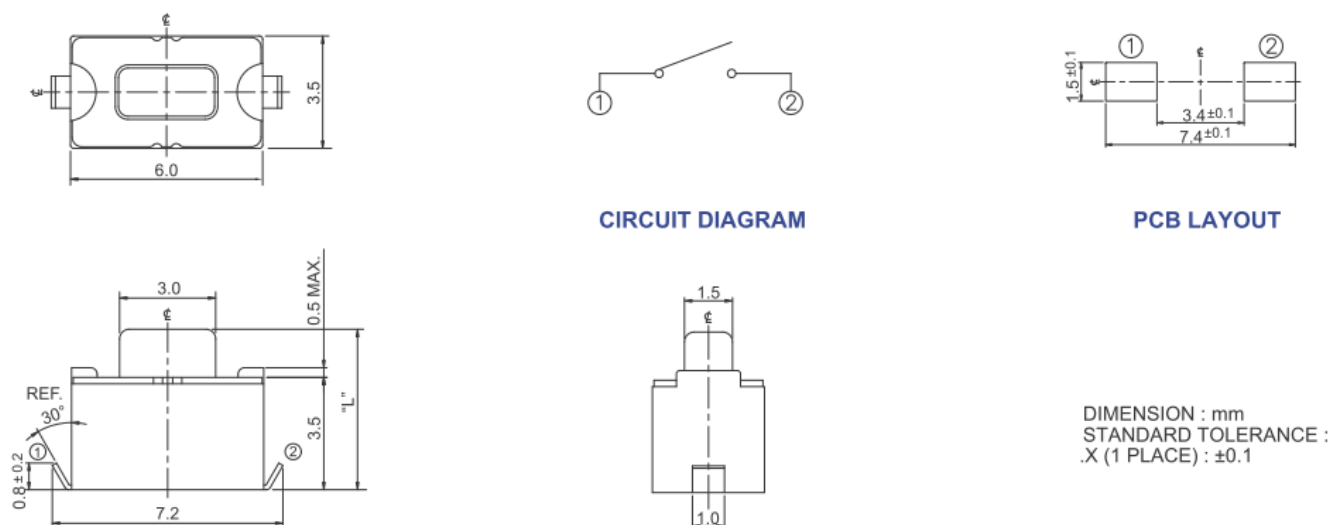


Figure 3 – 222BMV...6, Surface Mount Gull Wing, Vertical Actuation, IP67

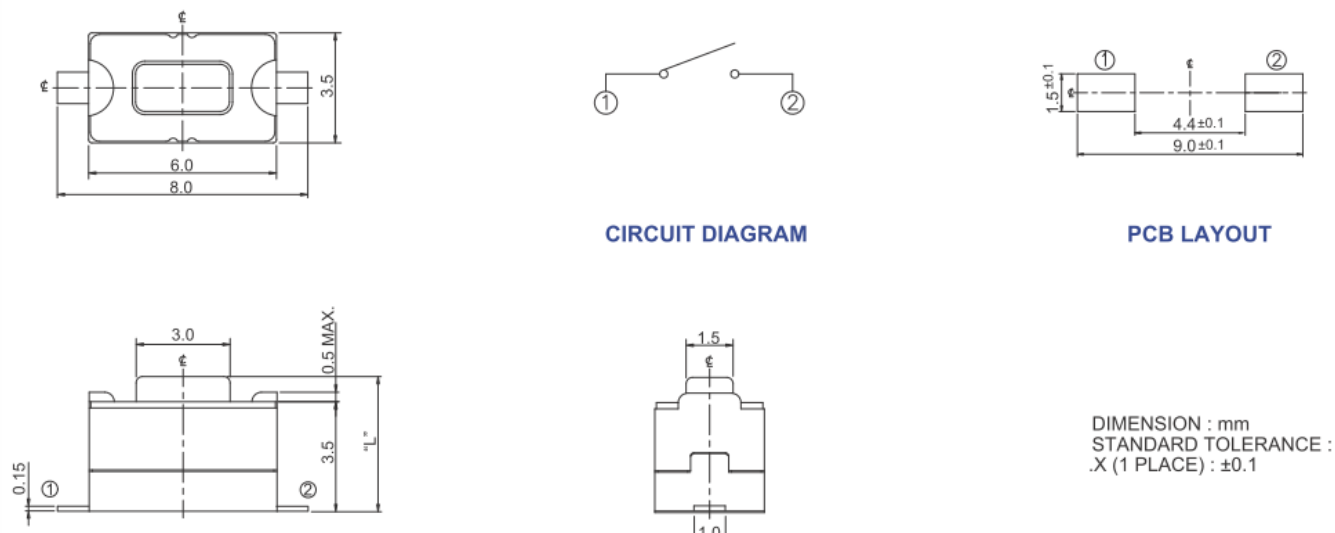
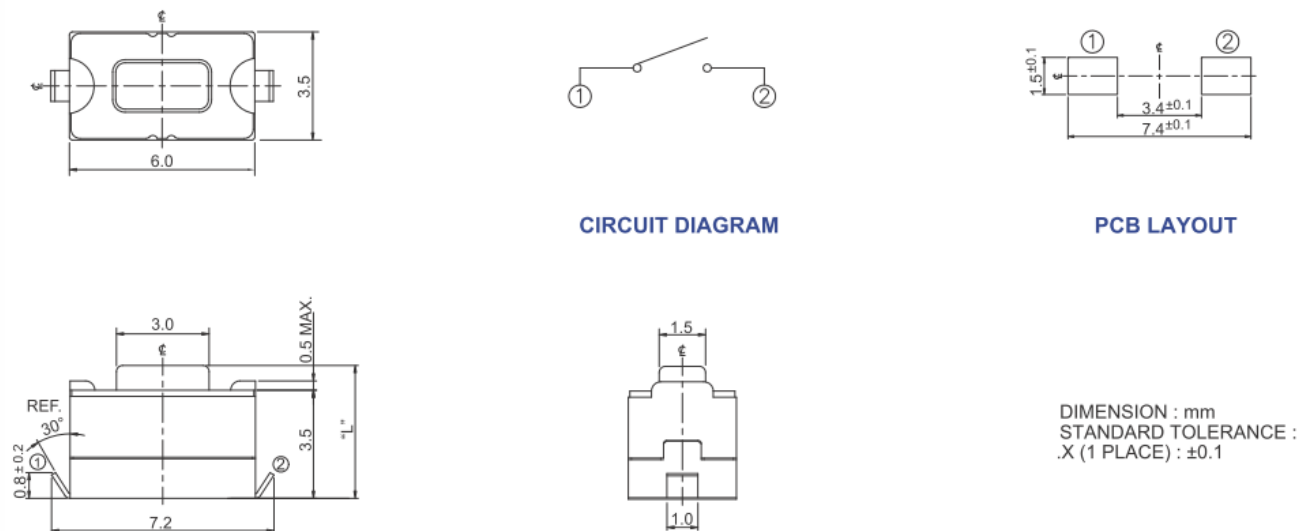


Figure 4 – 222BJV...6, Surface Mount J Bend, Vertical Actuation, IP67

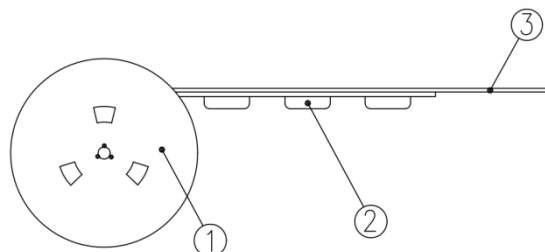


Packing: Tape and Reel

Surface Mount Gull Wing/J-Bend, Top Actuation

The packing specification:

Structure and materials:



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

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:

