



Series 222W

6.0 x 6.0mm Tactile Switch

- Surface mount J bend terminal configuration
- Quiet Actuation
- Compatible with IR reflow, and manual soldering
- Variety of operating force options



Ordering Information

Series	Terminal Type	Actuating Direction	Actuation Force	Packaging												
222W	J	V	A	R												
<table><tr><th>Code</th><th>Spec.</th></tr><tr><td>J</td><td>Surface mount J bend</td></tr></table>		Code	Spec.	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>R</td><td>Tape & reel packaging (only available for surface mount type)</td></tr></table>	Code	Spec.	R	Tape & reel packaging (only available for surface mount type)
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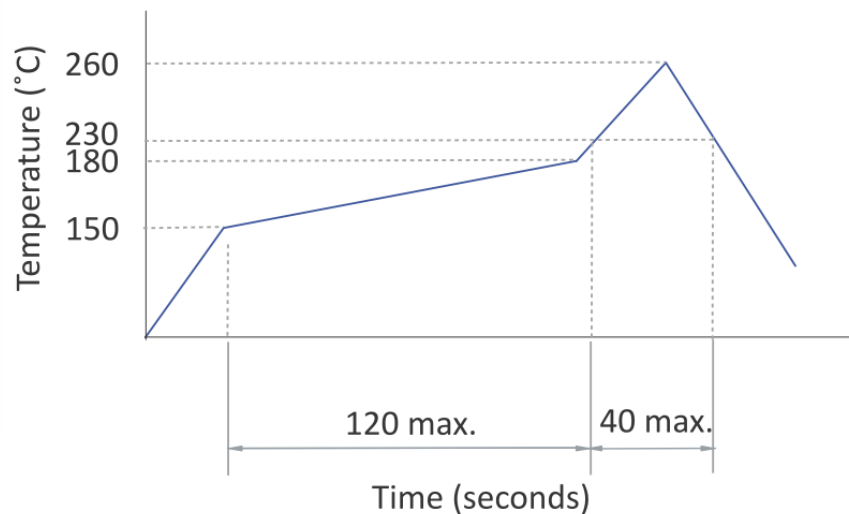
Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Contact Resistance			100	milliohms
Insulation Resistance	Between insulated terminals	100		megohms
Dielectric Strength	250 VAC between adjacent switches		1	minute
Non-switching Rating			50 or 16	mA or VDC

Mechanical and Environmental

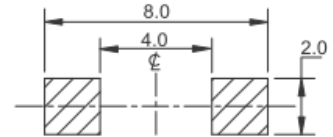
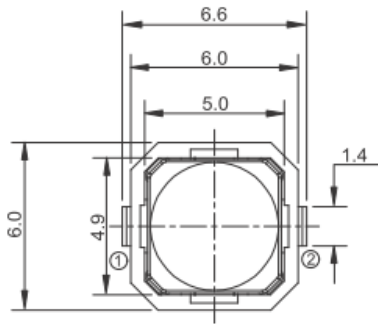
Soldering	Maximum reflow temperature, 260°C for 5 seconds Maximum manual temperature, 350°C for 3 seconds
RoHS	Lead-Free. Fully compliant to RoHS Directive 2011/65/EU
Operating Force	160±50 gf 230±50 gf
Actuation Life	100,000 cycles
Actuator Strength	2 Kgf maximum
Travel	1.3±0.2 mm
Packaging	Standard tape and reel packaging
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C

Soldering Profile

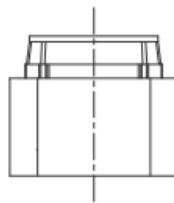
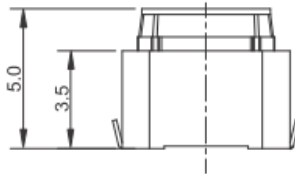


Mechanical Specifications

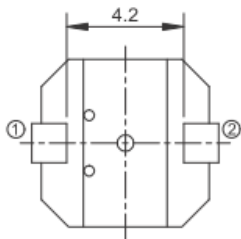
Figure 1 – 222WJV, Standard Mount J Bend, Vertical Actuation



PCB LAYOUT



CIRCUIT DIAGRAM



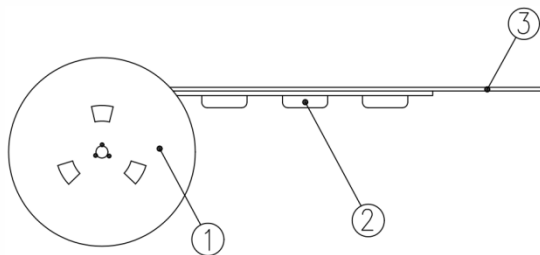
DIMENSION : mm
STANDARD TOLERANCE : ± 0.2

Packing: Tape and Reel

Surface Mount J Bend, Actuator Height 5.0mm

The packing specifications:

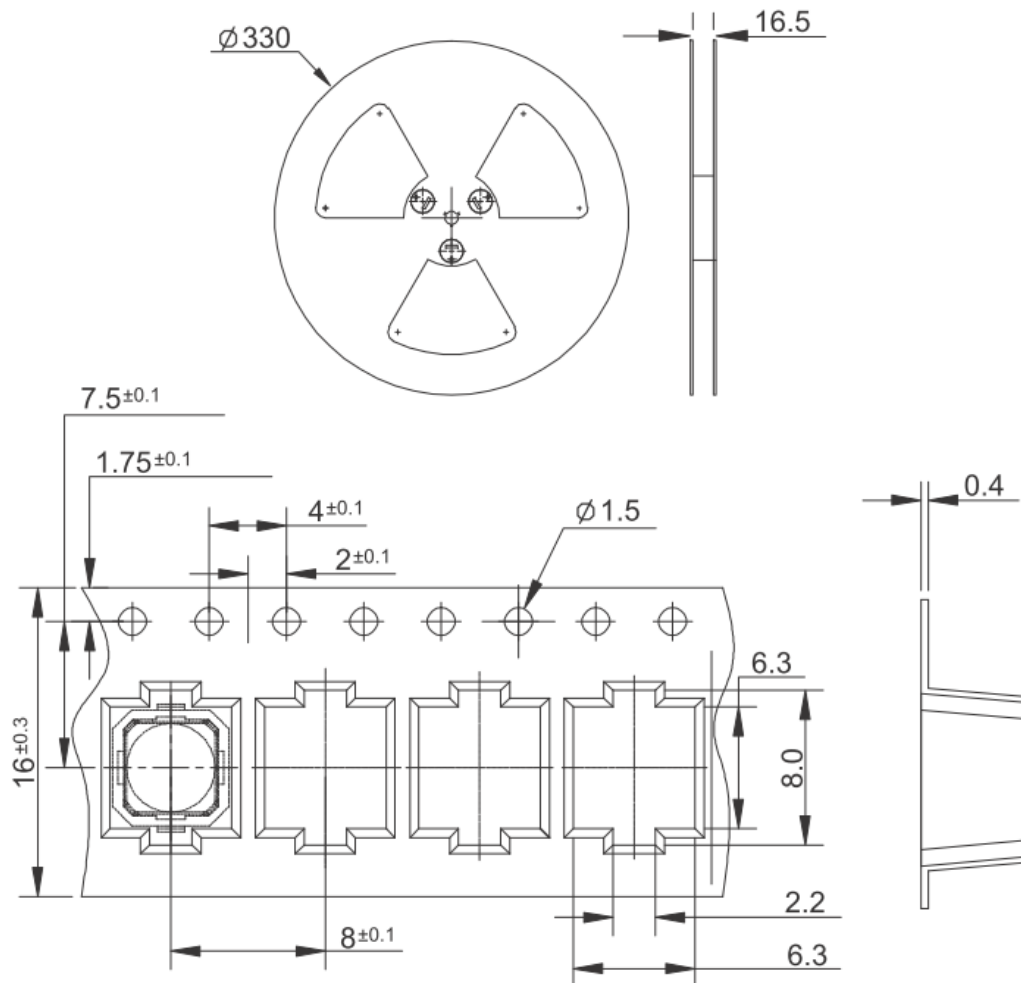
1. Structure and materials:



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

2. Packing quantity: 1000 pcs/reel
3. More than 15 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:



Mouser Electronics

Authorized Distributor

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CTS:

[222WJVBR](#) [222WJVAR](#)