

# Series 222J

## 6.2 x 6.2mm IP67 Rated Tactile Switch

- Surface mount gull wing and J-bend terminal configurations
- Compatible with IR reflow, and manual soldering
- Variety of operating force & actuator height options
- IP67 protection
- Silicone rubber actuator
- Long life
- Excellent tactile feel



### Ordering Information

Series	Terminal Type	Actuating Direction	Actuator Height "L"	Actuation Force	Packaging	Contact and Terminal Plating																				
222J	M	V	A	A	R	D																				
	↓	↓	↓	↓	↓	↓																				
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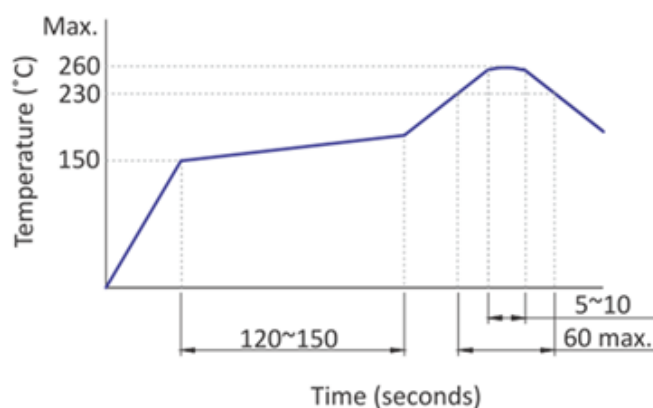
## Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Contact Resistance			100	milliohms
Insulation Resistance	Between insulated terminals	1000		megohms
Dielectric Strength	250 VAC between adjacent switches		1	minute
Nonswitching Rating (Silver)			50 or 32	mA or VDC
Nonswitching Rating (Gold)			10 or 32	mA or VDC

## Mechanical and Environmental

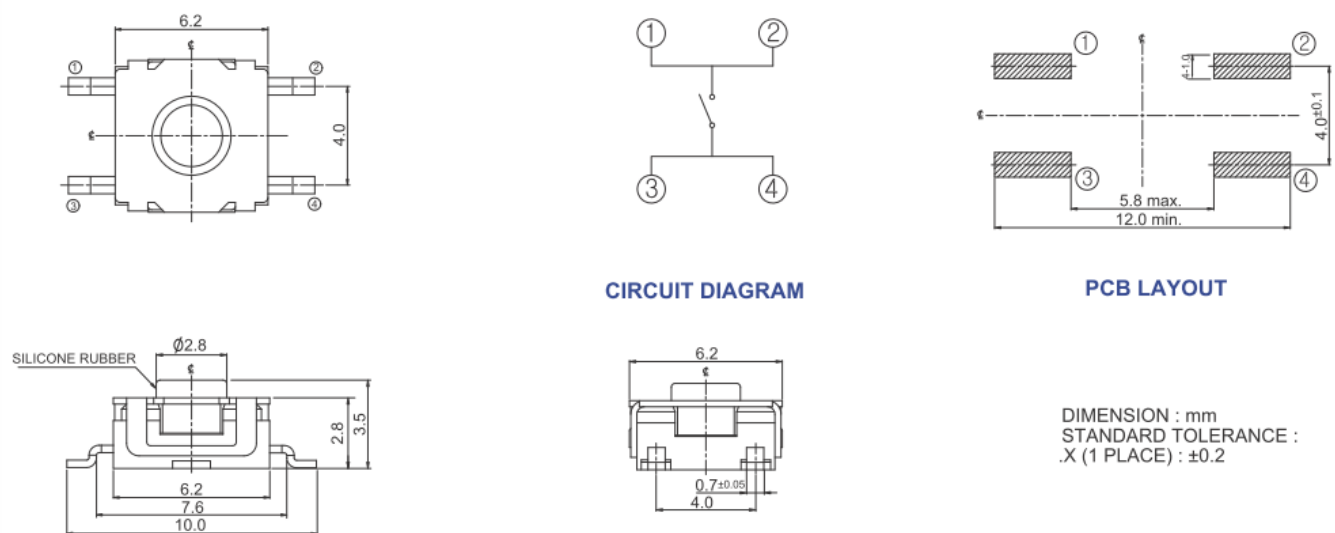
Soldering	Maximum reflow temperature, 260°C for 5 seconds Maximum manual temperature, 350°C for 3 seconds
RoHS	Lead-Free. Fully compliant to RoHS Directive 2011/65/EU
Operating Force	160±50 gf 200±50 gf 350±90 gf
Actuation Life	160 gf: 1,000,000 cycles 200 gf: 500,000 cycles 350 gf: 300,000 cycles
Actuator Strength	3 Kgf maximum
Travel	0.35±0.2mm (160 gf) 0.35 <sup>+0.3</sup> <sub>-0.1</sub> mm (200gf) 0.5±0.2mm (350 gf)
Packaging	Standard tape and reel packaging
Operating Temperature Range (Silver)	-40°C to +85°C
Operating Temperature Range (Gold)	-40°C to +125°C
Storage Temperature Range (Silver)	-40°C to +85°C
Storage Temperature Range (Gold)	-55°C to +125°C
Waterproof Grade	IP67

## Soldering Profile

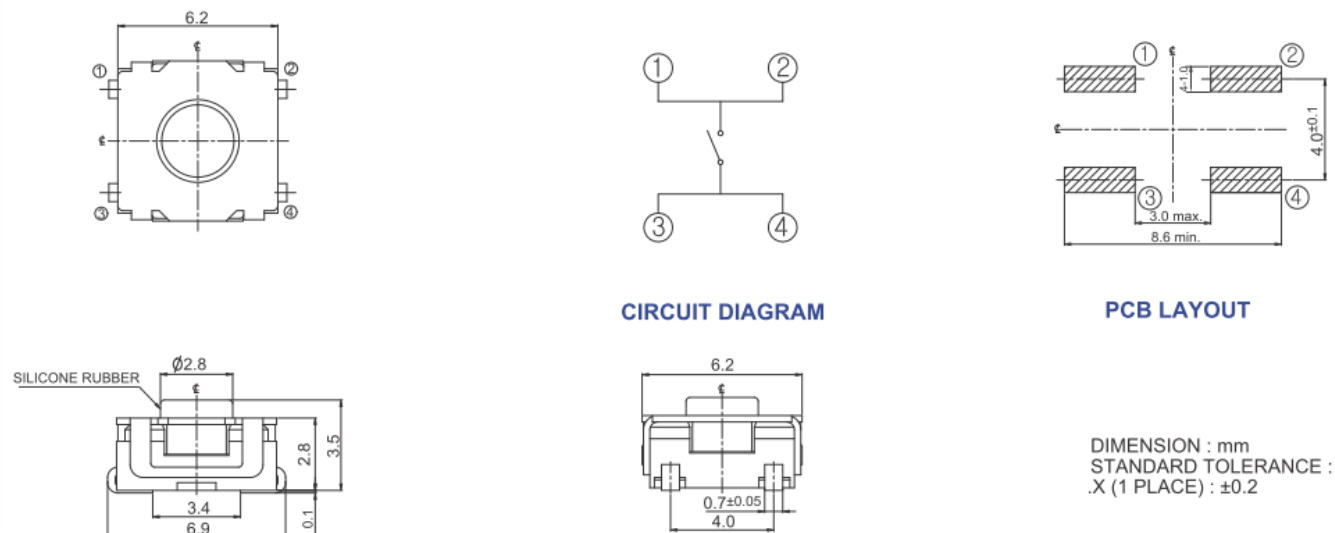


### Mechanical Specifications

**Figure 1 – 222JMV, Surface Mount Gull Wing, Actuator Height 3.5mm**



**Figure 2 – 222JJV, Surface Mount J-Bend Terminal, Actuator Height 3.5mm**

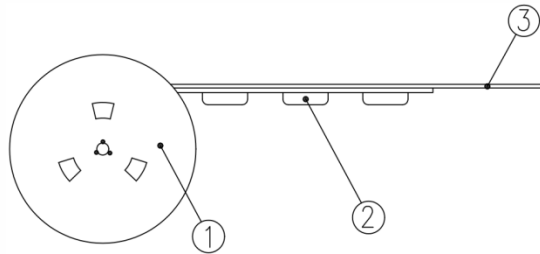


### Packing: Tape and Reel

Surface Mount Gull Wing/J-Bend, Actuator Height 3.5mm

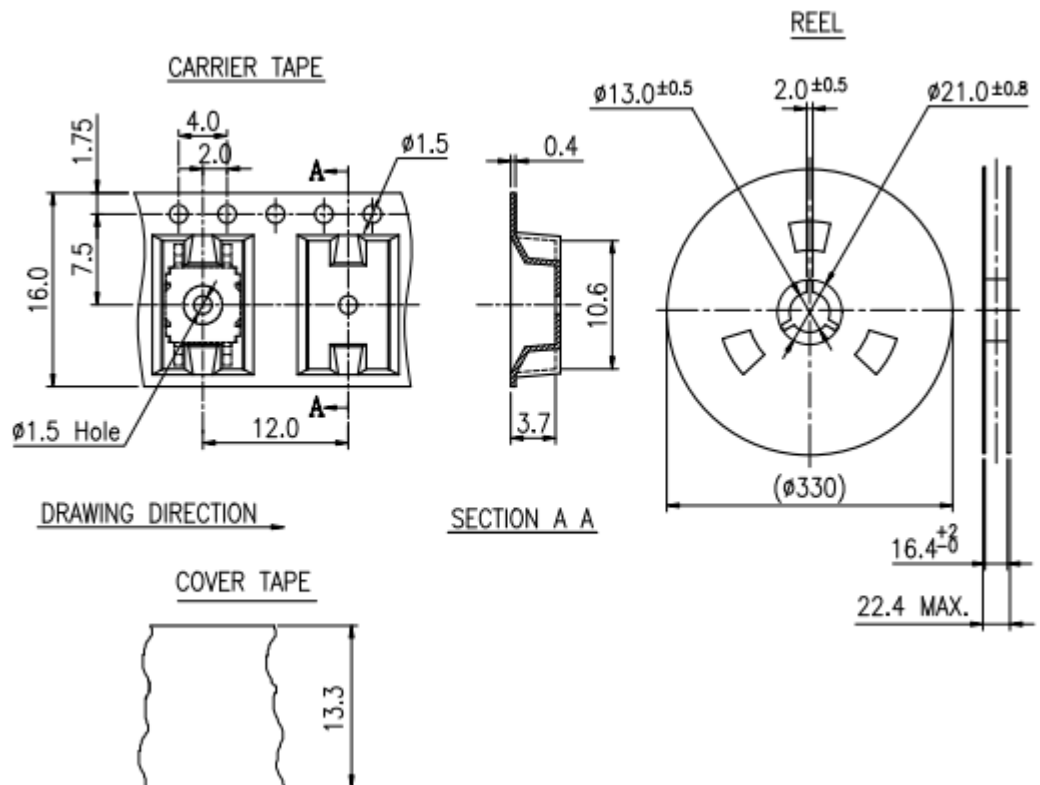
The packing specifications:

1. Structure and materials:



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

- Packing quantity: 1,500 pcs/reel
- 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 no more than 3 consecutive empty pockets are allowed.
- Stripping strength of cover tape is between 10 gf to 130 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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