

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																								
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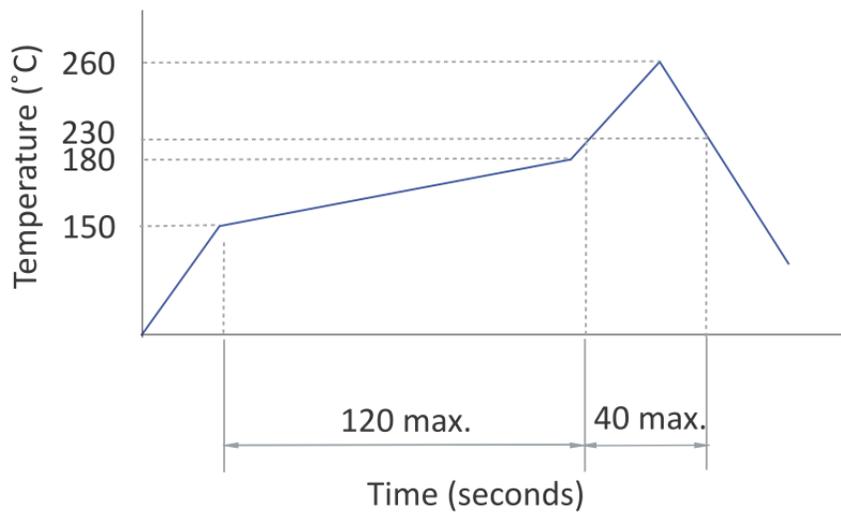
Electrical Specifications

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

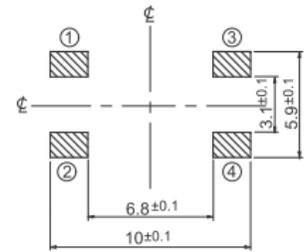
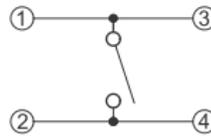
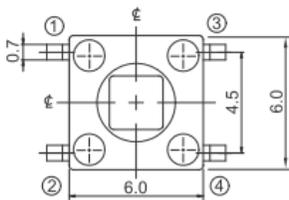
Soldering	Maximum reflow temperature, 260°C for 3 seconds Maximum manual temperature, 350°C for 3 seconds
RoHS	Lead-Free. Fully compliant to RoHS Directive 2011/65/EU
Operating Force	100±30 gf 160±50 gf 260±50 gf
Actuation Life	100 gf: 100,000 cycles 160 gf: 80,000 cycles 260 gf: 60,000 cycles
Actuator Strength	2 Kgf maximum
Travel	0.25±0.1 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



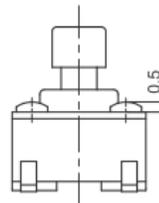
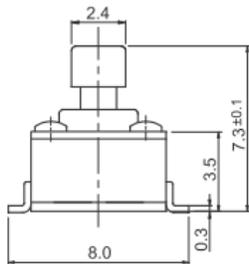
Mechanical Specifications

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



CIRCUIT DIAGRAM

PCB LAYOUT



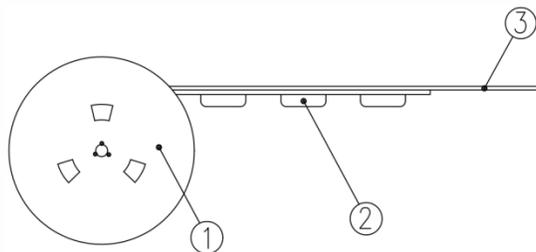
DIMENSION : mm
STANDARD TOLERANCE :
.X (1 PLACE) : ±0.2

Packing: Tape and Reel

Surface Mount Gull Wing, Actuator Height 7.3mm

The packing specifications:

- Structure and materials:



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

- Packing quantity: 700 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.

