

Series 222P Datasheet

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
- Long life
- Excellent tactile feel



Ordering Information

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

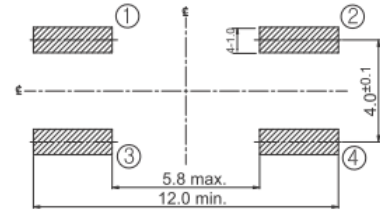
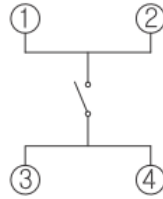
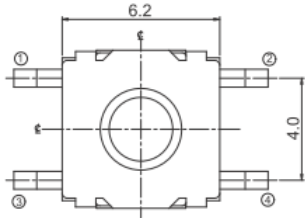
Parameter	Conditions & Remarks	Min	Max	Unit
Contact Resistance			100	milliohms
Insulation Resistance	Between insulated terminals	1000		megohms
Dielectric Strength	250 VAC between adjacent switches		1	minute
Operating Force			200	gf
Nonswitching Rating (Silver)			50 or 32	mA or VDC
Nonswitching Rating (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	200 gf
Actuation Life	100,000 cycles
Actuator Strength	3 Kgf maximum
Travel	0.25±0.15mm (200 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

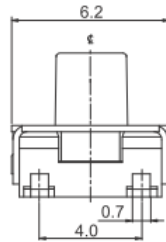
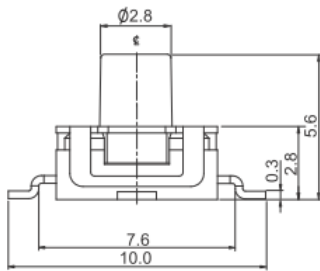
Mechanical Specifications

Figure 1 – 222PMA, Surface Mount Gull Wing, Actuator Height 5.6mm



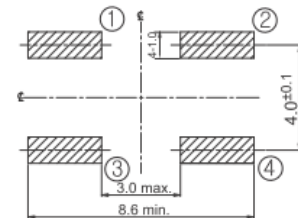
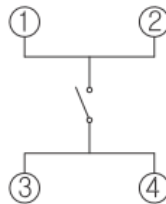
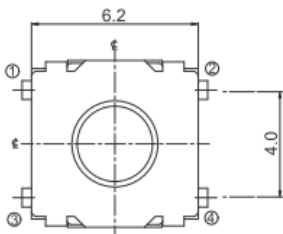
CIRCUIT DIAGRAM

PCB LAYOUT



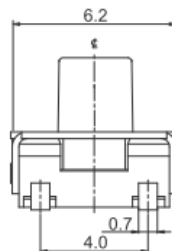
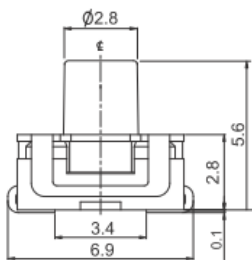
DIMENSION : mm
STANDARD TOLERANCE :
.X (1 PLACE) : ±0.3

Figure 2 – 222PJA, Surface Mount J Bend, Actuator Height 5.6mm



CIRCUIT DIAGRAM

PCB LAYOUT



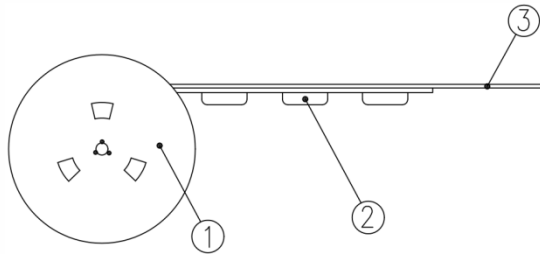
DIMENSION : mm
STANDARD TOLERANCE :
.X (1 PLACE) : ±0.3

Packing: Tape and Reel

Surface Mount Gull Wing/J-Bend, Actuator Height 5.6mm

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: 1,000 pcs/reel
3. More than 10 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:

