



Series 222M

6.2 x 6.2mm IP57 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
- IP57 protection
- Long life
- Excellent tactile feel



Ordering Information

| Series | Terminal Type | Actuating Direction | Actuator Height "L" | Actuation Force | Packaging | | | | | | | | | | | | | | | | | | | | | | |
|--------|--|---------------------|---------------------|-----------------|-------------------------|---|----------------------|---|------|-------|---|----------|--|------|-------|---|-------|--|------|-------|---|---------------|--|------|-------|---|-----------------------|
| 222M | J | V | A | A | R | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Code</th> <th>Spec.</th> </tr> </thead> <tbody> <tr> <td>M</td> <td>Surface mount gull wing</td> </tr> <tr> <td>J</td> <td>Surface mount J bend</td> </tr> </tbody> </table> | Code | Spec. | M | Surface mount gull wing | J | Surface mount J bend | <table border="1"> <thead> <tr> <th>Code</th> <th>Spec.</th> </tr> </thead> <tbody> <tr> <td>V</td> <td>Vertical</td> </tr> </tbody> </table> | Code | Spec. | V | Vertical | <table border="1"> <thead> <tr> <th>Code</th> <th>Spec.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>6.8mm</td> </tr> </tbody> </table> | Code | Spec. | A | 6.8mm | <table border="1"> <thead> <tr> <th>Code</th> <th>Spec.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>240 gf, black</td> </tr> </tbody> </table> | Code | Spec. | A | 240 gf, black | <table border="1"> <thead> <tr> <th>Code</th> <th>Spec.</th> </tr> </thead> <tbody> <tr> <td>R</td> <td>Tape & reel packaging</td> </tr> </tbody> </table> | Code | Spec. | R | Tape & reel packaging |
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| M | Surface mount gull wing | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J | Surface mount J bend | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Spec. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V | Vertical | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Spec. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 6.8mm | | | | | | | | | | | | | | | | | | | | | | | | | | |
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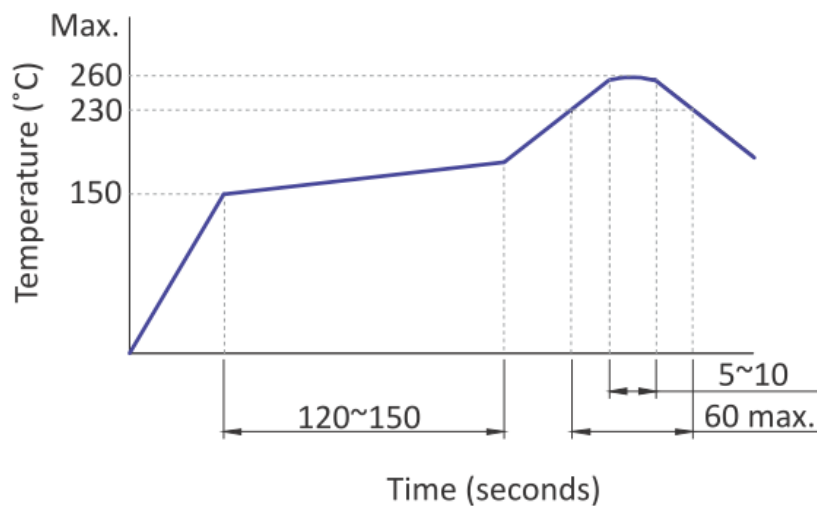
Electrical Specifications

| Parameter | Conditions & Remarks | Min | Max | Unit |
|-----------------------|-----------------------------------|------|---------------|---------------------|
| Contact Resistance | | | 50 | milliohms |
| Insulation Resistance | Between insulated terminals | 1000 | | megohms |
| Dielectric Strength | 250 VAC between adjacent switches | | 1 | minute |
| Nonswitching Rating | | | 1 or 32 | VA or VDC/VAC |

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 | 240±50 gf |
| Actuation Life | 100,000 cycles |
| Actuator Strength | 3 Kgf maximum |
| Travel | 0.4±0.2mm |
| Packaging | Standard tape and reel packaging |
| Operating Temperature Range | -40°C to +90°C |
| Storage Temperature Range | -40°C to +90°C |
| Waterproof Grade | IP57 |

Soldering Profile



Mechanical Specifications

Figure 1 – 222MMA, Surface Mount Gull Wing, Actuator Height 6.8mm

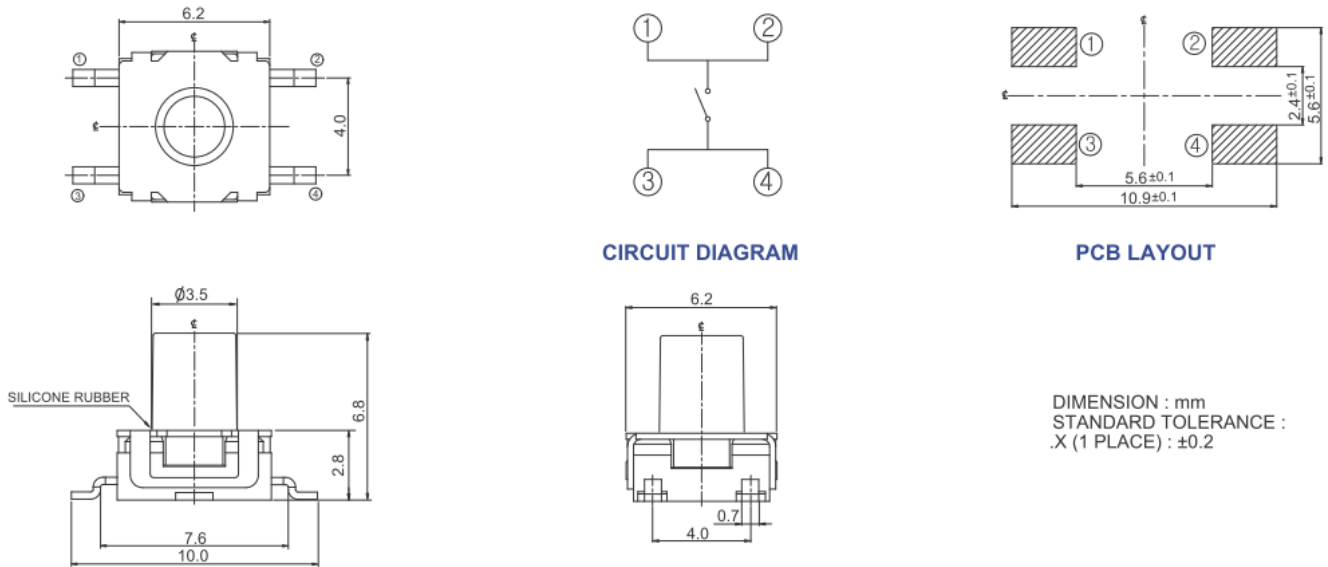
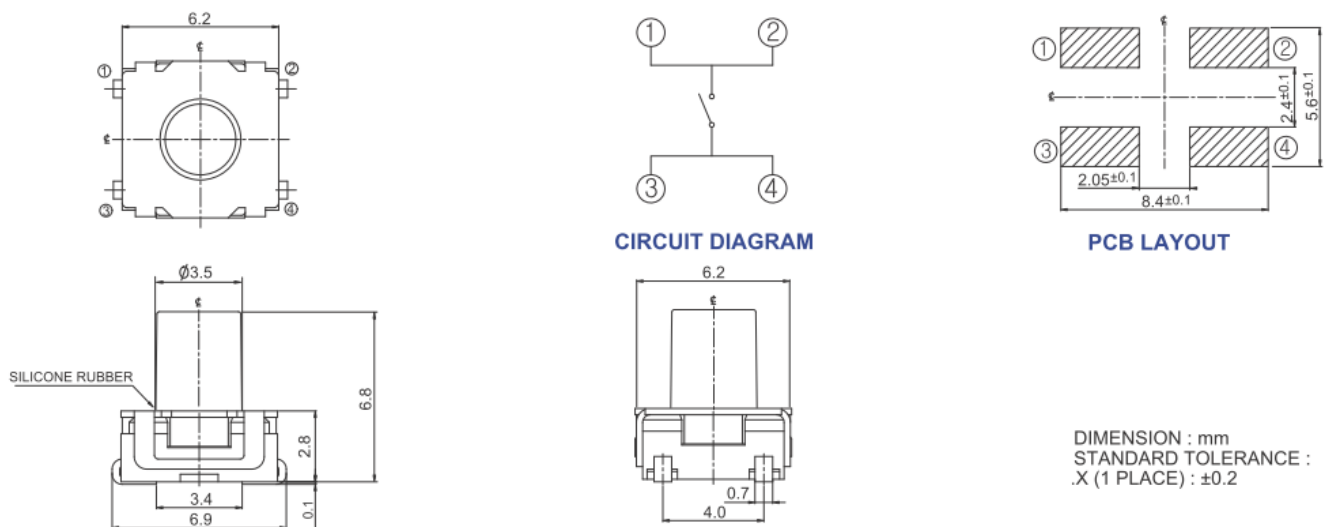


Figure 2 – 222MJA, Surface Mount J Bend, Actuator Height 6.8mm

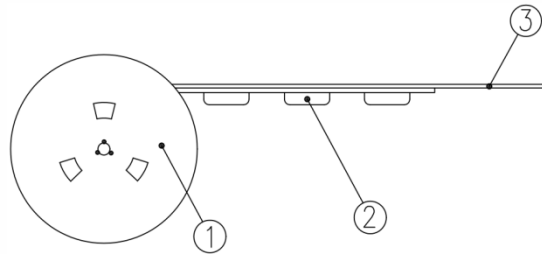


Packing: Tape and Reel

Surface Mount Gull Wing/J-Bend, Actuator Height 6.8mm

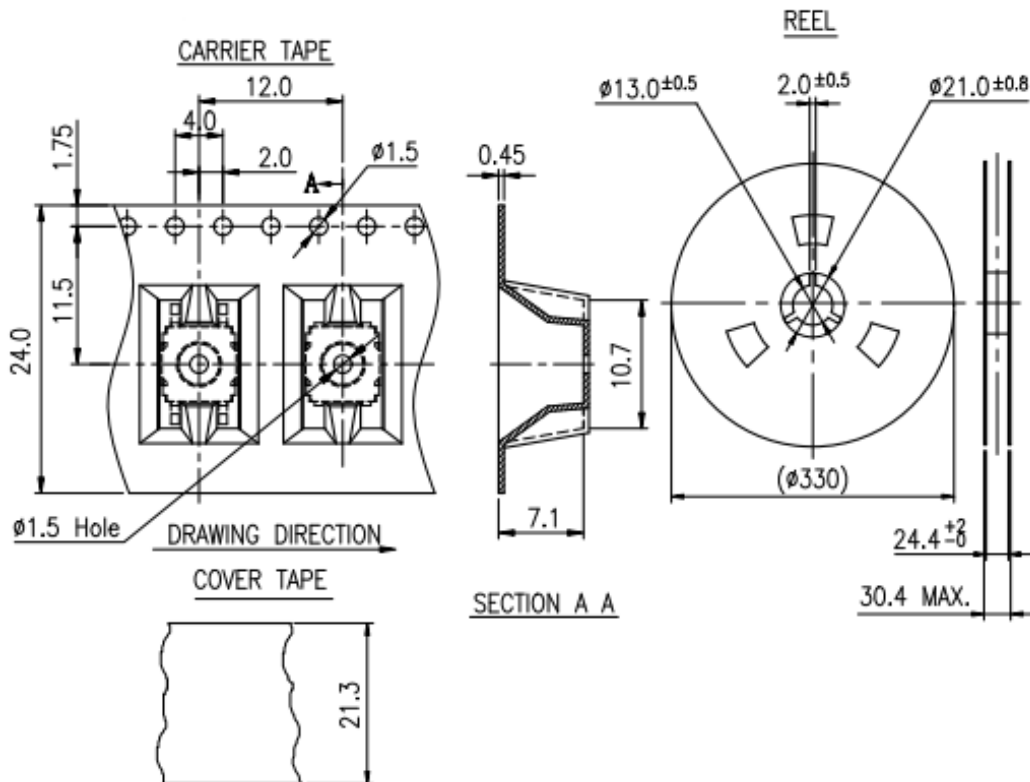
The packing specifications:

1. Structure and materials:



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

- Packing quantity: 800 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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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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