



Ordering Information

Notes: Contact CTS for other common features not listed.

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Electrical Specifications

Parameter	Conditions & Remarks	Min	Max	Unit
Contact Resistance			500	milliohms
Insulation Resistance	Between insulated terminals	100		Megohms
Dielectric Strength	1 minute between adjacent switches		250	VAC
Nonswitching Rating			50 or 12	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 260±50 gf	
Actuation Life	160 gf: 300,000 cycles 260 gf: 100,000 cycles	
Actuator Strength	3 Kgf maximum	
Travel	0.3 ^{+0.1} _{-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



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Mechanical Specifications

Figure 1 – 223AM..., Surface Mount Gull Wing



Figure 2 – 223A..., Surface Mount J Bend Terminal





CIRCUIT DIAGRAM







PCB LAYOUT



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Packing: Tape and Reel

Surface Mount Gull Wing/J Bend Terminal

The packing specifications :

Structure and materials : 3 COVER TAPE POLYESTER (2)CARRIER TAPE POLYSTYRENE \Box ٩ (1) REEL POLYSTYRENE 5 PARTS NAME NO. MATERIALS

- 1. Packing quantity : 2,500 pcs/reel
- 2. More than 10 empty pockets should remain at each end of the carrier tape for each reel.
- 3. Shortage less than 10 pcs a reel is acceptable but no more than 3 consecutive empty pockets are allowed.
- 4. Stripping strength of cover tape is between 10 gf to 70 gf and stripping angle should be within 165°~180°.
- 5. The product in the pocket of carrier tape should be placed in a specified correct position.
- 6. Tape and reel per EIA-481-C
- 7. Dimensions :



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