

Series 223L

5.5 x 3.1mm Tactile Switch

- Surface mount gull wing terminal configuration
- Compatible with IR reflow, and manual soldering
- Optional gold or silver plating
- Long Life
- Excellent tactile feel

Ordering Information

Series	Terminal Type	Actuating Direction	Actuator Length "L"	Actuation Force	Packaging	Contact and Terminal Plating
223L	M	S	A	A	R	D

Code	Spec.
M	Surface mount gull wing

Code	Spec.
S	Side

Code	Spec.
A	4.4mm

Code	Spec.
A	200 gf, black

Code	Spec.
R	Tape & reel packaging

Code	Spec.
Blank	Silver
D	Gold



Electrical Specifications

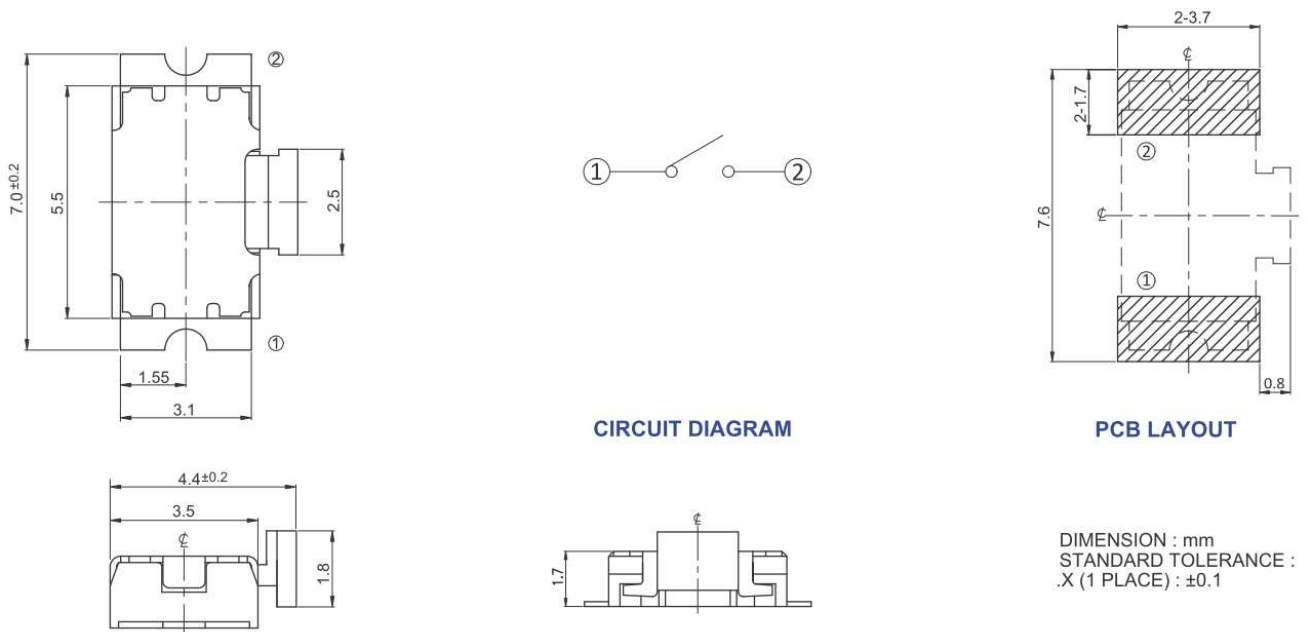
Parameter	Conditions & Remarks	Min	Max	Unit
Contact Resistance			100	milliohms
Insulation Resistance	Between insulated terminals	1000		megohms
Dielectric Strength	250 VDC between adjacent switches		1	minute
Nonswitching Rating			10 or 32	mA or VDC

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	0.3±0.15mm
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

Mechanical Specifications

Figure 1 – 223LMS., Surface Mount Gull Wing, Side Actuation

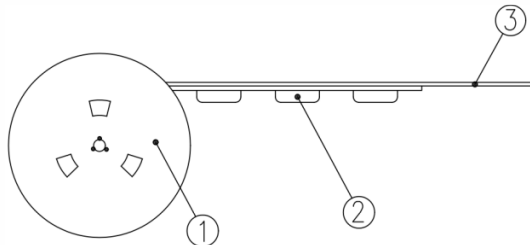


Packing: Tape and Reel

Surface Mount Gull Wing, Actuator Length 4.4mm

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: 3,000 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:

