



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## 5.6 x 5.0mm Compact Tactile Switch

### Features

#### Optimized Mechanical Features

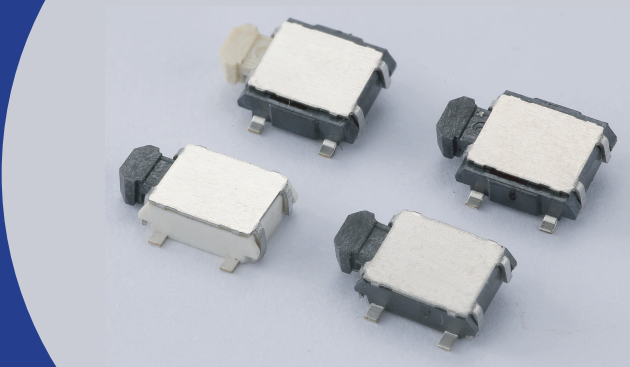
- Surface mount gull wing terminal configuration
- Compatible with IR reflow and manual soldering
- Variety of operating force options

#### Optimized Contact System

- Excellent tactile feedback

#### Materials

- Silver coated terminals for better solderability
- High temperature materials (UL94V-0)
- RoHS compliant



## Electrical and Mechanical Specifications

#### Switch Contact Resistance

500 milliohms maximum

#### Insulation Resistance

100 Megohms minimum between terminals

#### Maximum Rating

50mA, 12 VDC

#### Dielectric Strength

250 VAC for 1 minute between adjacent terminals

#### Operating Force

180, 220, or 350gf

#### Travel

0.2 mm

#### Operating Temperature

- 40°C to +85°C

#### Storage Temperature

- 40°C to +85°C

#### Actuator Strength

3 Kgf maximum

#### Actuation Life

50,000 cycles

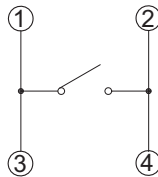
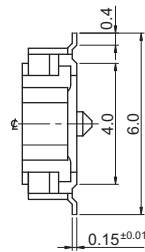
#### Allowable Solder Time

IR Reflow: Up to 5 seconds at 260°C.

Manual soldering: Up to 3 seconds at 350°C

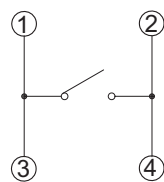
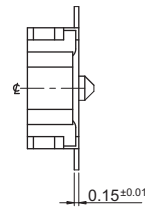
#### Packaging

Standard: Tape and reel packaging with  
330mm diameter reel and 12mm wide plastic tape  
- for Surface mount gull wing type1  
330mm diameter reel and 16mm wide plastic tape  
- for Surface mount gull wing type2



Technical drawing of a mechanical part with dimensions and labels:

- Overall length:  $L$
- Distance from left face to center of feature 1: 5.6
- Distance between centers of features 1 and 2: 3.4
- Overall width: 5.4
- Distance from left face to center of feature 3: 4.0
- Distance from bottom face to center of feature 4: 0.6
- Feature 1: Hole with diameter  $\varnothing$
- Feature 2: Hole with diameter  $\varnothing$
- Feature 3: Hole with diameter  $\varnothing$
- Feature 4: Hole with diameter  $\varnothing$
- Feature 5: Threaded section with diameter 1.4 and length 2.4



**223D – M1 S A A R B**

	<b>A</b>	<b>B</b>	<b>C</b>
	180gf	220gf	350g
223DM1SA	☆		☆
223DM2SB		☆	

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