

## → Sense

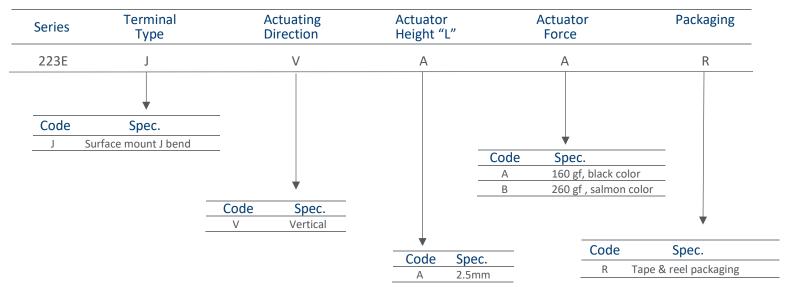
# Series 223E

## 4.2x3.2mm Compact Tactile Switch

- Surface mount J bend terminal configurations
- Compatible with IR reflow and manual soldering
- Variety of operating force options



## **Ordering Information**



Notes: Contact CTS for other common features not listed.





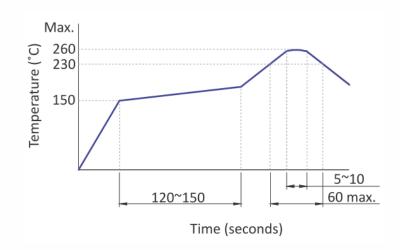
## **Electrical Specifications**

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
			50	mA
Nonswitching Rating			or 12	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, 2015/863			
Operating Force	160±50 gf 260±70 gf			
Actuation Life	160 gf: 150,000 cycles 260 gf: 500,000 cycles			
Actuator Strength	3 Kgf maximum			
Travel	0.2±0.1 mm			
Packaging	Standard tape and reel packaging			
Operating Temperature Range	-40°C to +85°C			
Storage Temperature Range	-40°C to +85°C			

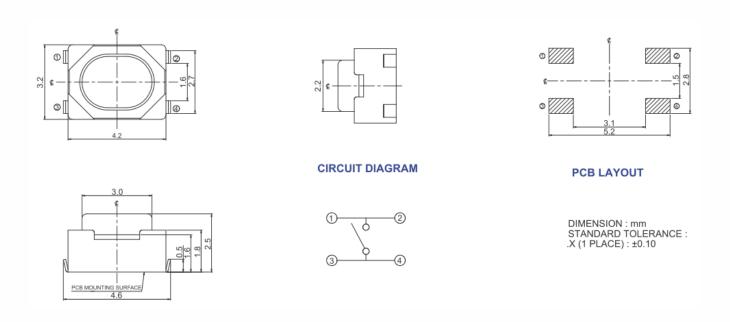
#### **Soldering Profile**





## **Mechanical Specifications**

Figure 1 – 223EJ..., Surface Mount J Bend Terminal

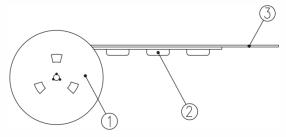


## Packing: Tape and Reel

#### Surface Mount J Bend

#### The packing specifications :

Structure and materials:



3	COVER TAPE	POLYESTER
2	CARRIER TAPE	POLYSTYRENE
1	REEL	POLYSTYRENE
NO.	PARTS NAME	MATERIALS

- 1. Packing quantity: 2,900 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  $165^{\circ}180^{\circ}$ .
- 5. The product in the pocket of carrier tape should be placed in a specified correct position.
- 6. Tape and reel per EIA-481.
- 7. Dimensions:





