SMT1

Surface Mount Tactile Switches

Washable



RoHS Compliant

■Features

1. Compatible With Lead-Free, Reflow Soldering

Heat-resistance resin for lead-free soldering.

2. Washable

3. 180° Symmetric Terminal Pin Layout.

4. Anti-Static Electricity

Ground terminal is provided to prevent damage to element caused by static electricity.

5. Metal contact for sharp tactile feel.

■ Specifications

Contact plating		Silver plated	Gold plated
Rating	Max.	1VA Max. (50mA max.48VDC max.)	
	Min.	0.5mA 20mVDC	10μA 20mVDC
Initial contact resistance		100mΩ Max. {1.5mA 200μVAC at 1.96N {200gf} force}	
Dielectric strength		250VAC 1 minute	
Insulation resistance		100MΩ min. (100VDC)	
Electrical life		1,000,000 operations	
Stroke		0.5±0.3 mm	
Operating force		1.96±0.98N	
Operating temperature range		−25～+70℃	
Storage temperature range		−40～+70℃	

■ Part Numbering

SMT G 1 — 01 E —Z

- SMT: Series code
- G: Contact plating
- 1: Structure
- 01: Registration No.
- E: Packaging specifications

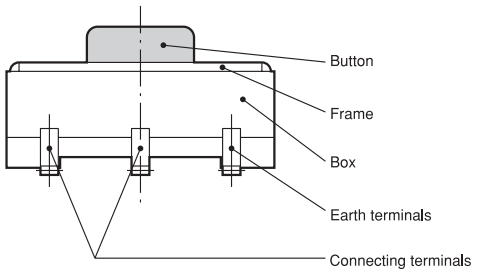
Contact plating

None	Silver plated
G	Gold plated

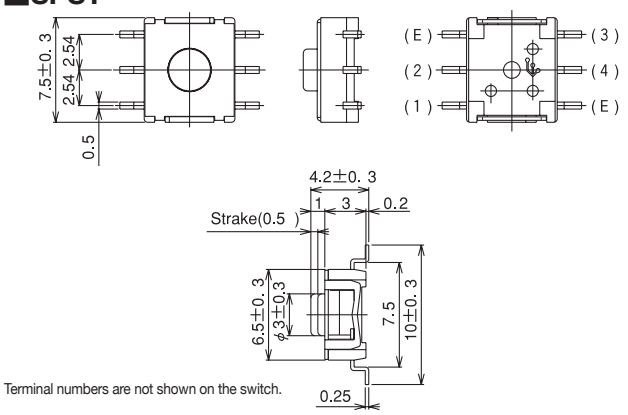
Packaging specifications

None	Stick
E	Emboss taping

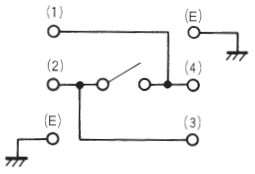
■ Structure



■SPST



Terminal numbers are not shown on the switch.

Part No.	Switchng function		Circuit diagrams
		Push	
SMT1-01-Z SMTG1-01-Z	OFF	(ON)	
Connecting terminals	——	(2) (1) (3) (4)	

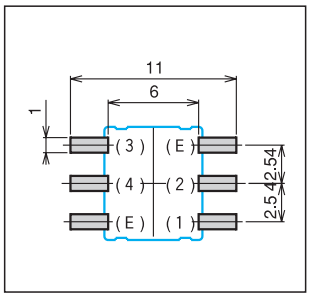
(ON)：Momentary

■Table of Part Numbers

Contact plating	Part No.
Silver plated	**SMT1—01—Z** **SMT1—01E—Z**
Gold plated	**SMTG1—01—Z** **SMTG1—01E—Z**

■Pad Layouts

(Top view)



Terminal (E) to be connected to Ground. Terminal (E) is connected to the metal frame.

■Soldering Specifications

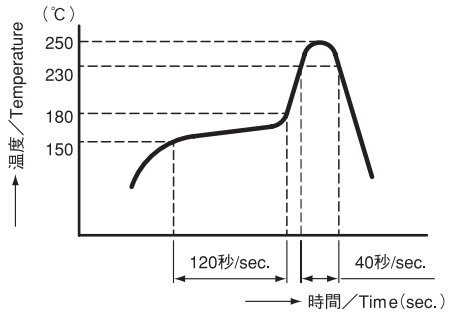
(1)Manual Soldering

Device : Soldering iron

①380°C ±10°C; 3±0.5 seconds

(2)Reflow Soldering

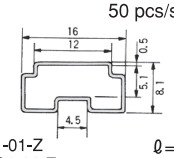
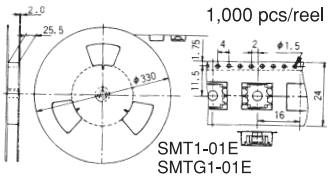
Device : Inline or batch system



・Apply reflow soldering only once

■Flux Cleaning ····· Refer to P. 225.

■Packaging Specifications

Stick specification	Emboss taping specification
50 pcs/stick  SMT1-01-Z SMTG1-01-Z Q=400	1,000 pcs/reel  SMT1-01E SMTG1-01E

Minimum packaging quantity for reel packaging is 1,000pcs per reel.