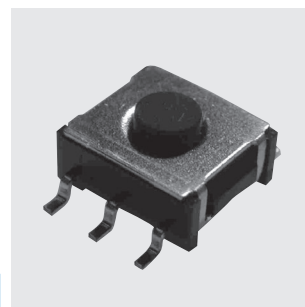


SMT1

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.

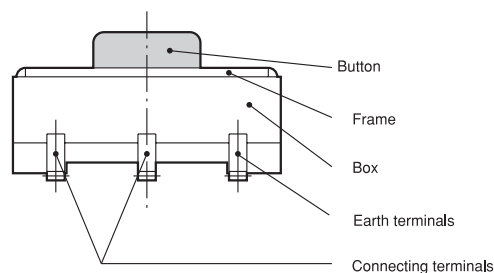
■ Specifications

Contact plating		Silver plated	Gold plated
Rating	Max.	1 VA Max. (50 mA max.48 VDC max.)	
	Min.	0.5 mA 20 mVDC	10 μ A 20 mVDC
Initial contact resistance		100 m Ω Max. [1.5 mA 200 μ VAC at 1.96 N {200 gf} force]	
Dielectric strength		250 VAC 1 minute	
Insulation resistance		100 M Ω min. (100 VDC)	
Electrical life		1,000,000 operations	
Stroke		0.5 $\pm$ 0.3 mm	
Operating force		1.96 $\pm$ 0.98 N	
Operating temperature range		-25 $\sim$ +70°C	
Storage temperature range		-40 $\sim$ +70°C	

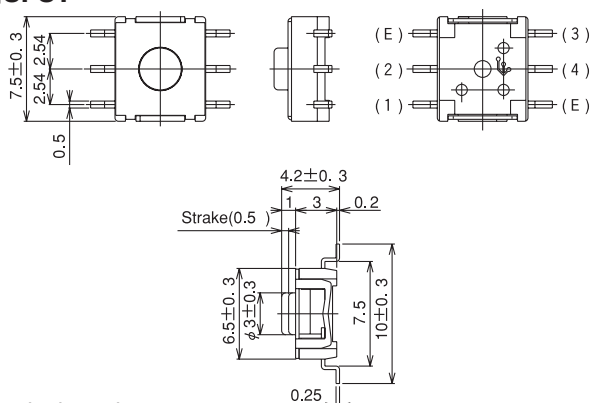
■ Part Numbering

SMT		G	1	-	01	E	-	Z
Series code		Contact plating		Structure		Registration No.		
						Packaging specifications		
		None	Silver plated			None	Stick	
		G	Gold plated			E	Emboss taping	

■ Structure



■SPST



Terminal numbers are not shown on the switch.

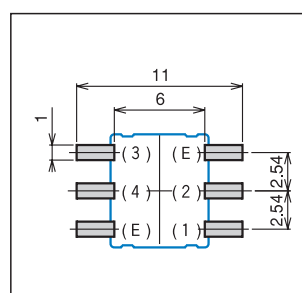
■Table of Part Numbers

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

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

(ON) : Momentary

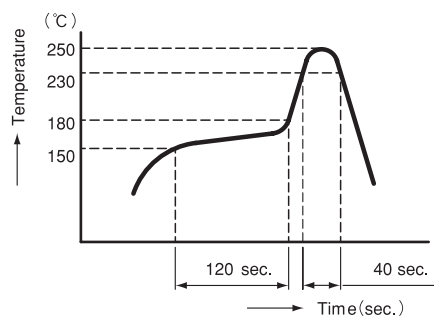
■Pad Layouts



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

■Soldering Specifications

- Manual Soldering
Device : Soldering iron
① 380°C ±10°C; 3±0.5 seconds
- Reflow Soldering
Device : Inline or batch system



- Apply reflow soldering only once

■Flux Cleaning

- Solvent: Fluorine or Alcohol type Cleaning with other solvents or water is not possible.
- Cleaning after soldering should be done after the terminal temperature falls to 90°C or below, or after leaving the switch for five minutes or longer at room temperature. Cleaning temperature: 43°C, max.
- Do not use ultrasonic cleaning.

■Packaging Specifications

Stick specification	Emboss taping specification

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