

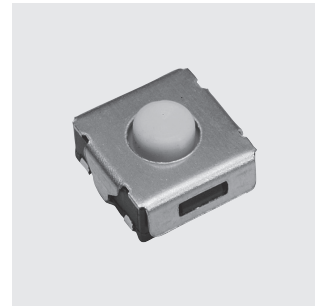


THE DATASHEET OF SMTE3-01-Z



SMT3/SMTE3

Surface Mount Tactile Switches



Washable

RoHS Compliant

■ Features

- 1. Compatible With Lead-Free, Reflow Soldering**
Heat-resistance resin for lead-free soldering.
- 2. Washable (SMTE3 Series)**
- 3. J-Lead Terminal Pins For High-Density Mounting**
- 4. Anti-Static Electricity (SMTE3 Series)**
Ground terminal is provided to prevent damage to element caused by static electricity.

■ Specifications

Rating	Max.	0.6VA max. (24VDC max. 30mA max.)	
	Min.	Silver plated contacts	1mA 5VDC
		Gold plated contacts	10μA 5VDC
Initial contact resistance	100mΩ max. (1.5mA 200μVAC)		
Dielectric strength	250VAC 1 minute		
Insulation resistance	100MΩ min. (100VDC)		
Electrostatic capacity	5pF max.		
Electrical life	100,000 operations		
Stroke	SMT3	0.25mm	
	SMTE3	0.5mm	
Operating force	SMT3	1.18±0.39 N	
	SMTE3	1.96±0.98 N	
Operating temperature range	-25~+70°C		
Storage temperature range	-40~+85°C		

■ Part Numbering

SMT E G 3 - 01 E - Z

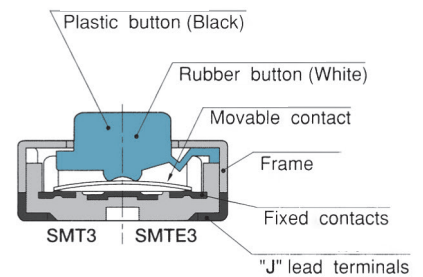
Series code Structure Contact plating Series No. Registration No. Packaging specs.

None	Standard type (Plastic button)
E	Immersion washable (Rubber button)

None	Silver plated
G	Gold plated

None	Stick
E	Emboss taping

■ Structure



■ Table of Part Numbers

Structure	Packaging specifications	
	Stick	Emboss taping
Standard type	SMT3-01-Z	SMT3-01E-Z ★ SMTG3-01E-Z
Immersion washable	SMTE3-01-Z ★ SMTEG3-01-Z	SMTE3-01E-Z ★ SMTEG3-01E-Z

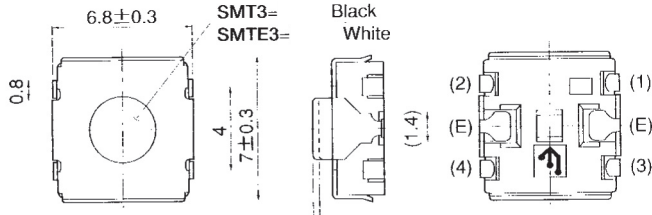
■ Pad Layouts

(Top view)

Ground terminals	Without	With
Part No.	SMT3 • SMTE3 SMTG3 • SMTEG3	SMTE3 SMTEG3
Pattern dimensions		

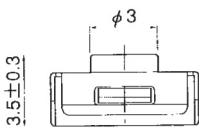
■ SPST

SMT3



SMTE3

Washable



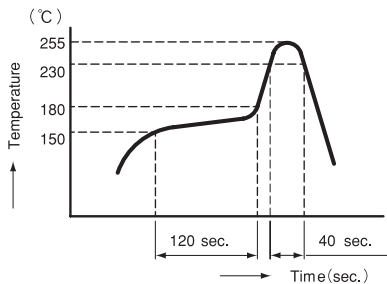
Terminal numbers are not shown on the switch.

Part No.	Switching function	
SMT3-01-Z SMT3-01E-Z SMTG3-01E-Z SMTE3-01-Z SMTE3-01E-Z SMTEG3-01-Z SMTEG3-01E-Z	OFF	(ON)
Connecting terminals	—	1 — 3 2 — 4
Circuit diagrams		

(ON) : Momentary
(E) : GGround terminal (SMTE3 and SMTEG3 series)

■ Soldering Specifications

- (1) Manual Soldering
Device : Soldering iron
① 350°C ± 10°C; 3 ± 0.5 seconds
- (2) Reflow Soldering
Device : Inline or batch system



• Apply reflow soldering up to 2 times max.

■ Flux Cleaning

Since the **SMT3** series is not process sealed, be sure to use low-residue flux.

- (1) Solvent: Fluorine or Alcohol type Cleaning with other solvents or water is not possible.
- (2) 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.
- (3) Do not use ultrasonic cleaning.

■ Packaging Specifications

Stick	Emboss taping
50 pcs/stick	1,000 pcs/reel
Q=375	

●When ordering, tape packaged version shall be supplied by request. Minimum packaging quantity for reel packaging is 1,000pcs per reel.

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- ✓ Shortage Management
- ✓ Alternative Solution
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