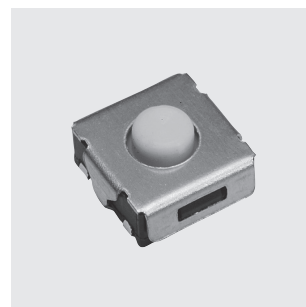


SMT3/SMTE3

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

■ Part Numbering

SMT E G 3 - 01 E - Z

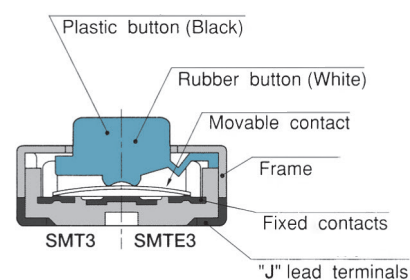
Series code Structure Contact plating Series No. Registration No. Packaging specs.

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

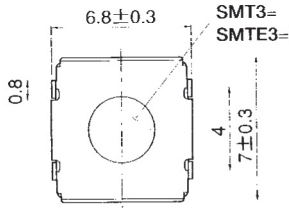
■ Pad Layouts

(Top view)		
Ground terminals	When not using a ground terminals	When using a ground terminals
Part No.	SMT3 • SMTE3 SMTG3 • SMTEG3	SMTE3 SMTEG3
Pattern dimensions		

★ : Made to order products.

■ SPST

SMT3

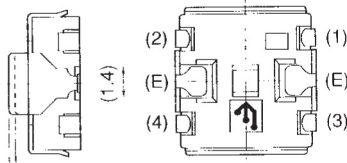


SMT3=

SMTE3=

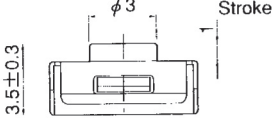
Black

White

(0.25) SMT3
(0.5) SMTE3

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 SMTEG3-01-Z SMTEG3-01E-Z	OFF	(ON)
Connecting terminals	—	1 — 2 — 3 — 4
Circuit diagrams		

(ON) : Momentary

(E) : Ground terminal (SMTE3 and SMTEG3 series)

■ Soldering Specifications

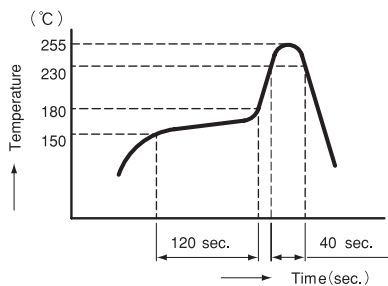
(1) Manual Soldering

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 Q=375	1,000 pcs/reel Top cover tape Emboss carrier tape

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

(ON) : Momentary