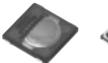
# 4 mm Square SMD Light Touch Switches

# Type: EVQP6/EVQ6P6/EVQ7P6/EVQ9P6







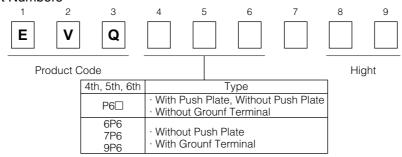
#### Features

- External dimensions: 4.1 mm×4.1 mm
  Height: Without Push Plate 0.35 mm, With Push Plate 0.58 mm
  :Without Push Plate·With Ground Terminal 0.43 mm
- Long-life :1000000 cycles min. (Operating Force 1.6 N Type)
- Dust-proof structure

## ■ Recommended Applications

 Operating switches for portable electronic equipment (Mobile phones, Camcorders, Portable audio players, etc.).

# ■ Explanation of Part Numbers



### ■ Product Chart

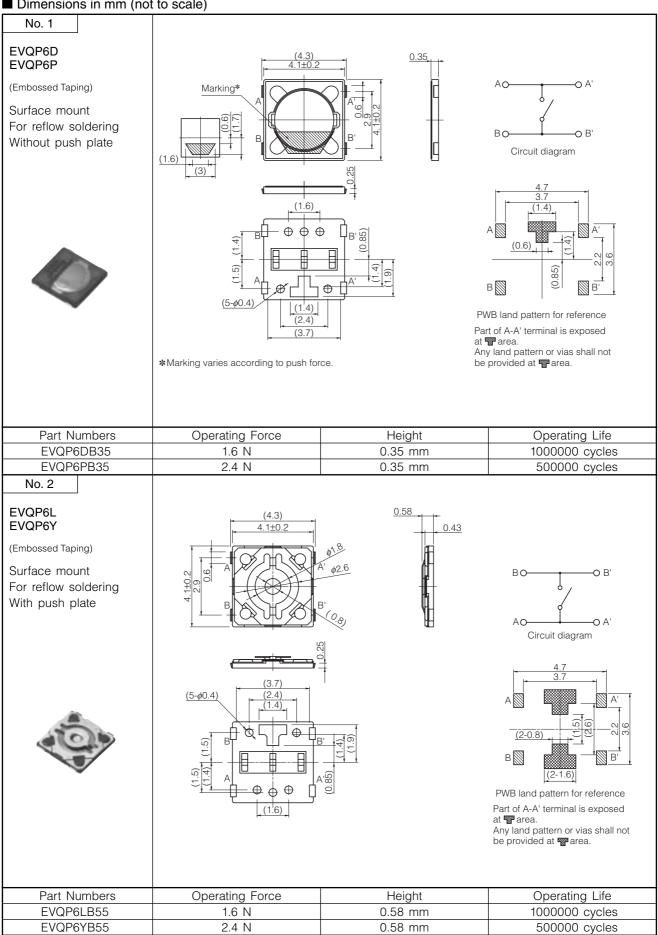
Height	Without Push Plate H=0.35 mm	With			
Packaging Operating Force	Embossed	Embossed	Embossed		
1.0 N	_	_	EVQ7P6		
1.6 N	EVQP6D	EVQP6L	EVQ6P6		
2.4 N	EVQP6P	EVQP6Y	EVQ9P6		

# ■ Specifications

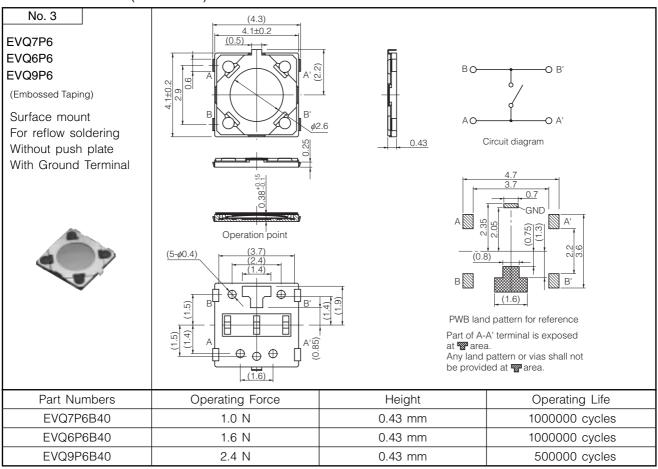
Type		Snap action / Push-on type SPST				
Туре		Without Push Plate With Push Plate $10~\mu\text{A 2 Vdc to 20 mA 15 Vdc (Resistive load)}$ $500~\text{m}\Omega~\text{max}.$ $50~\text{M}\Omega~\text{min}.$ $250~\text{Vac for 1 minute}$				
	Rating	10 μA 2 Vdc to 20 mA 15 Vdc (Resistive load)				
Electrical	Contact Resistance	500 mΩ max.				
	Insulation Resistance	50 MΩ min.				
	Dielectric Withstanding Voltage	250 Vac for 1 minute				
	Bouncing	8 ms max. (ON, OFF)				
Maalaaniaal	0 0	1.0 N, 1.6 N, 2.4 N				
Mechanical	Travel	0.2 mm				
Endurance	Operating Life		000000 cycles min. 500000 cycles min.			
Operating Ten	nperature	−20 °C to	o +70 °C			
Storage Temp	erature	-40 °C to -20 °C to	o +85 °C (Bulk) o +60 °C (Taping)			
Minimum Qua	ntity/Packing Unit	10000 pcs. Emboss	sed Taping (Reel Pack)			
Quantity/Carto	n	50000 pcs.				

Note: Non washable

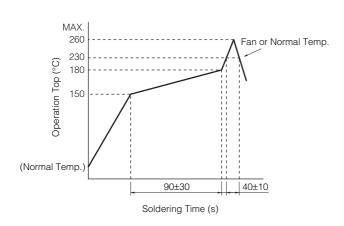
## ■ Dimensions in mm (not to scale)



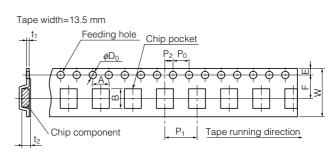
### ■ Dimensions in mm (not to scale)



# ■ Recommended Reflow Soldering Conditions



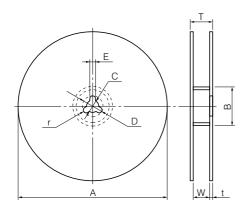
# Embossed Carrier Taping



Unit: mm

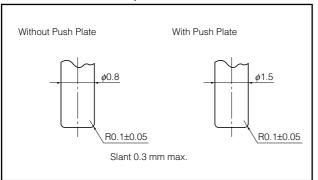
Part No.	Height	А	В	W	F	E	P <sub>1</sub>	P <sub>2</sub>	P <sub>0</sub>	D₀ Dia.	t <sub>1</sub>	t <sub>2</sub>
EVQP6	0.35/0.58											
EVQ6P6 EVQ7P6 EVQ9P6	0.43	4.0±0.2	5.0±0.2	12.0+0.3	5.5±0.1	1.75±0.10	8.0±0.1	2.0±0.1	4.0±0.1	1.5 <sup>+0.1</sup>	0.30±0.05	0.5/0.7 <sup>+0.2</sup> <sub>-0.1</sub>

### Standard Reel Dimensions in mm (not to scale)



Item	Α	В	С	D	E
Rate (mm)	φ380.0±2.0	<i>φ</i> 80.0 min.	φ13.0±0.5	φ21.0±1.0	2.0±0.5
Item	W	T	t	r	
Rate (mm)	13.5±1.5	17.5±1.0	1.0 to 3.0	1.0±0.5	

### ■ Recommended Shape of Test Pole



### ■ Recommended Operating Conditions

