# 4 mm Square SMD Light Touch Switches

# Type: EVQP6/EVQ6P6/EVQ7P6/EVQ9P6







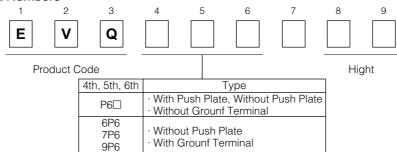
## ■ Features

- 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

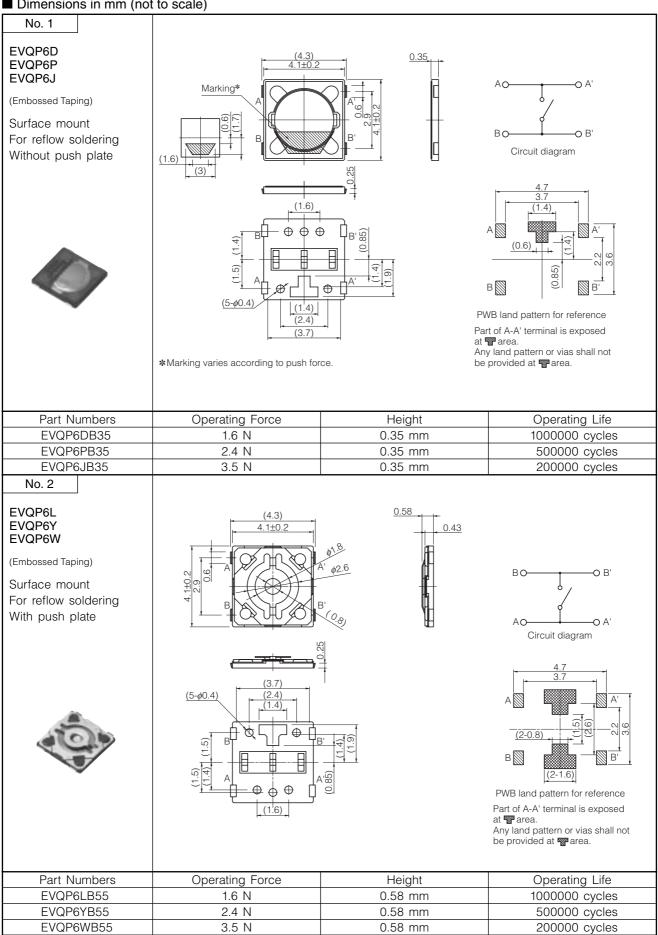
Height	Without Push Plate H=0.35 mm	With Push Plate H=0.58 mm	Without Push Plate With Ground Terminal H=0.43 mm
Packaging Operating Force	Embossed	Embossed	Embossed
1.0 N	_	_	EVQ7P6
1.6 N	EVQP6D	EVQP6L	EVQ6P6
2.4 N	EVQP6P	EVQP6Y	EVQ9P6
3.5 N	EVQP6J	EVQP6W	_

# ■ Specifications

Typo		Snap action / Push-on type SPST			
Туре		Without Push Plate With Push Pla			
	Rating	10 μA 2 Vdc to 20 mA	15 Vdc (Resistive load)		
Electrical	Contact Resistance	100 ms	$\Omega$ max.		
	Insulation Resistance	50 Ms	Ω min.		
	Dielectric Withstanding Voltage	250 Vac fo	or 1 minute		
	Bouncing	8 ms max. (ON, OFF)			
Maalaaniaal	Operating Force	1.0 N, 1.6 N,	2.4 N, 3.5 N		
Mechanical	Operating Force Travel	0.2 mm			
Endurance	Operating Life	2.4 N :			
Operating Ter	nperature	2.4 N : 500000 cycles min. 3.5 N : 200000 cycles min. -20 °C to +70 °C			
Storage Temp	orage Temperature  -40 °C to +85 °C -20 °C to +60 °C				
Minimum Qua	antity/Packing Unit	10000 pcs. Embossed Taping (Reel Pac		10000 pcs. Embossed Taping (Reel Pack)	
Quantity/Carto	on	50000 pcs.			
		•			

Note: Non washable

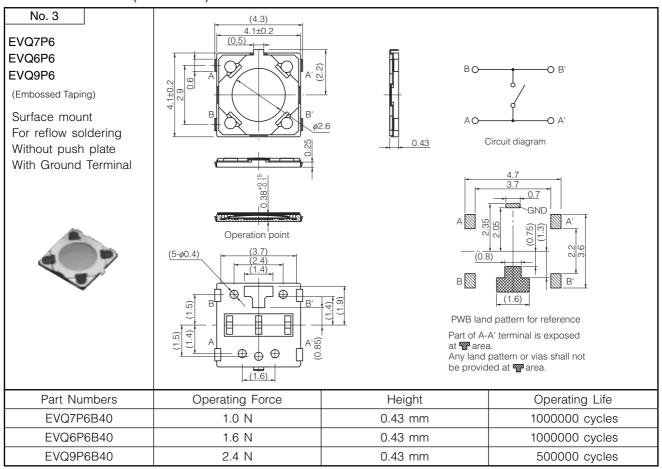
# ■ Dimensions in mm (not to scale)



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# **Panasonic**

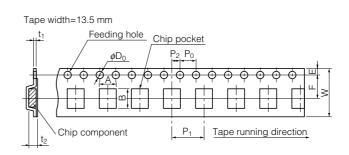
# ■ Dimensions in mm (not to scale)



# ■ Recommended Reflow Soldering Conditions

# MAX. 260 Fan or Normal Temp. O 180 Fan or Normal Temp. O 150 Fan or Normal Temp. O 150 Fan or Normal Temp. Soldering Time (s)

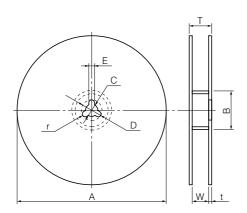
# Embossed Carrier Taping



Unit: mm

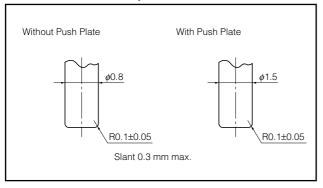
Part No.	Height	А	В	W	F	E	P <sub>1</sub>	P <sub>2</sub>	P <sub>0</sub>	D₀ Dia.	t <sub>1</sub>	t <sub>2</sub>
EVQP6	0.35/0.58											
EVQ6P6 EVQ7P6 EVQ9P6	0.43	4.0±0.2	5.0±0.2	12.0+0.3	5.5±0.1	1.75±0.10	8.0±0.1	2.0±0.1	4.0±0.1	1.5 <sup>+0.1</sup>	0.30±0.05	0.5/0.7 <sup>+0.2</sup> <sub>-0.1</sub>

# Standard Reel Dimensions in mm (not to scale)

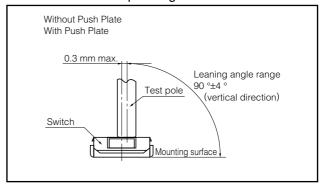


Item	А	В	С	D	Е
Rate (mm)	φ380.0±2.0	<i>φ</i> 80.0 min.	φ13.0±0.5	φ21.0±1.0	2.0±0.5
Item	W	Т	t	r	
Rate (mm)	13.5±1.5	17.5±1.0	1.0 to 3.0	1.0±0.5	

## ■ Recommended Shape of Test Pole



# ■ Recommended Operating Conditions



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