# **Panasonic**

3.5 mm×2.9 mm Side-operational SMD Light Touch Switches

# Type: EVQP7/EVQP3/EVQ9P7







#### ■ Features

- External dimensions: 3.5 mm×2.9 mm, Height 1.35 mm
- A wide range of terminal type : L-shape, J-bent, Straight
- High mount ability
- Push plate strength enhanced type

# ■ Recommended Applications

 Operation switches for portable electronic equipment (Mobile phones, Digital still cameras, Camcorders, Portable audio players, etc.)

#### ■ Explanation of Part Numbers

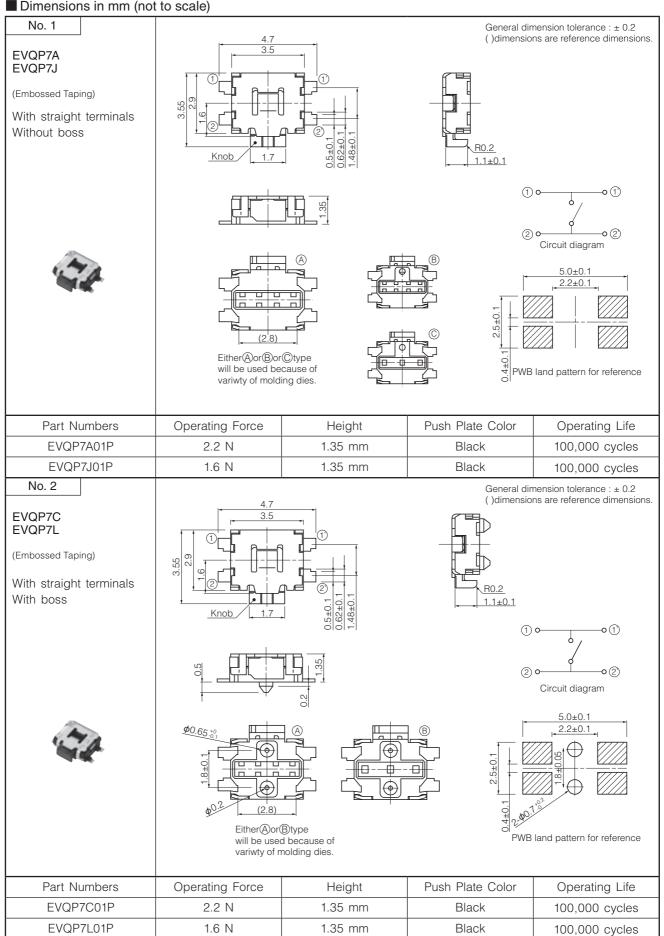


# Specifications

Туре		Snap action / Push-on type SPST						
Electrical	Rating	10 μA 2 V DC to 50 mA 12 V DC (Resistive load)						
	Contact Resistance	500 mΩ max.						
	Insulation Resistance	100 MΩ min. (at 100 V DC)						
	Dielectric Withstanding Voltage	250 V AC for 1 minute						
	Bouncing	10 ms max. (ON, OFF)						
Mechanical	Operating Force	1.6 N, 2.2 N						
	Push Travel	0.2 mm						
	Push Strength	30 N (1 minute)						
Endurance	Operating Life	100,000 cycles min.						
Operating Temperature		−20 °C to +70 °C						
Storage Temperature		-40 °C to +85 °C (Bulk)						
		-20 °C to +60 °C (Taping)						
Minimum Quantity/Packing Unit		5,000 pcs. Embossed Taping (Reel Pack)						
Quantity/Carton		25,000 pcs.						

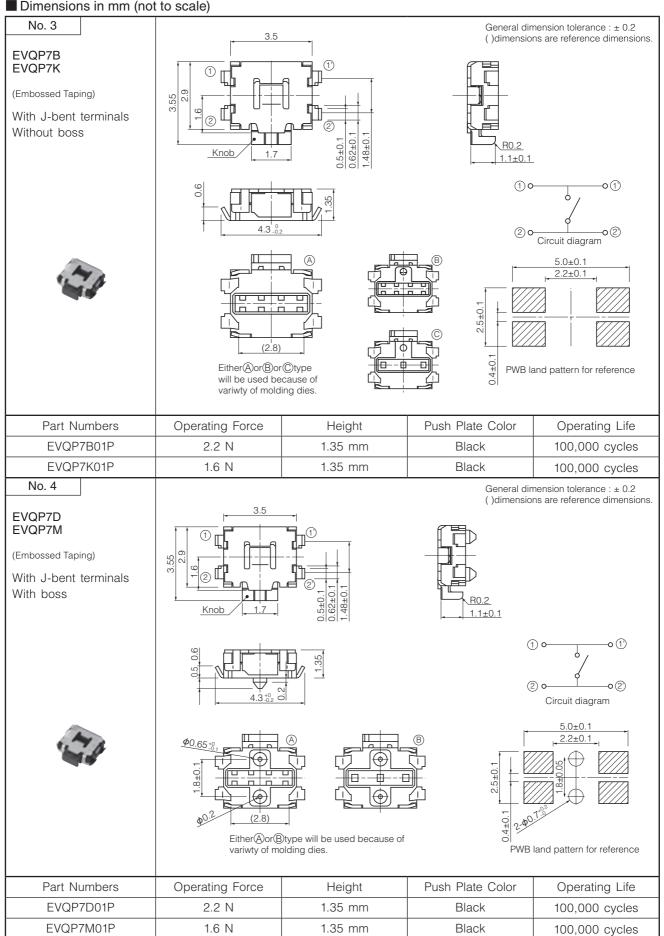
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ Dimensions in mm (not to scale)



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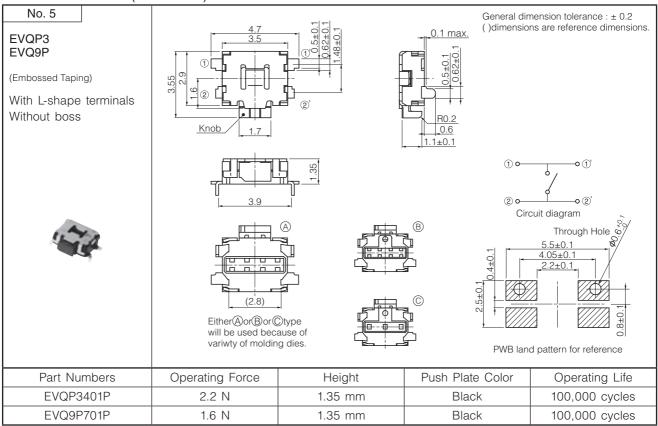
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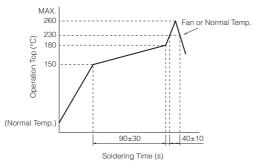
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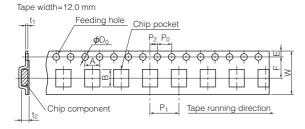
#### ■ Dimensions in mm (not to scale)



# ■ Recommended Reflow Soldering Conditions



#### **Embossed Carrier Taping**



Taping condition: Lack of products in the middle of taping should be one MAX, but total quantity specified in the specifications should be secured.

Peeling off strength of top tape: It should be within 0.2N to 1.0N at 165 degree in peeling off angle.

Joint of carrier tape: One joint per one reel may exist.

#### Straight terminals, L-shape terminals type

Straight terminals, L-shape terminals type											Unit: mm	
Part No.	Height	А	В	W	F	E	P <sub>1</sub>	P <sub>2</sub>	Po	D₀ Dia.	t1	t <sub>2</sub>
EVQP7, EVQP3 EVQ9P7	1.35	5.2±0.2	4.5±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>	0.3±0.1	1.5±0.2
J-bent type											Unit: mm	

S bent type											OTHE. HIHT	
Part No.	Height	А	В	W	F	Е	P <sub>1</sub>	P <sub>2</sub>	Po	D₀ Dia.	t <sub>1</sub>	t <sub>2</sub>
EVQP7, EVQP3	1.35	4.5±0.2	4.5±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+0.1	0.3±0.1	1.5±0.2

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