

Small-sized Side-operational SMD Light Touch Switches

Type: **EVQPU**



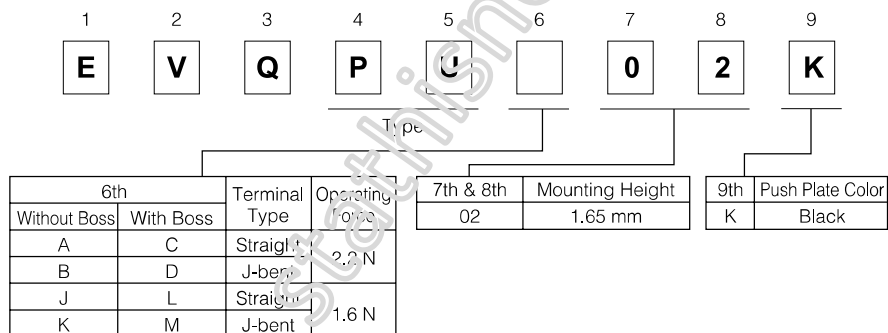
■ Features

- External dimensions : 4.7 mm×3.5 mm, Height 1.65 mm
- A wide range of terminal type : J-bent, Straight

■ Recommended Applications

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


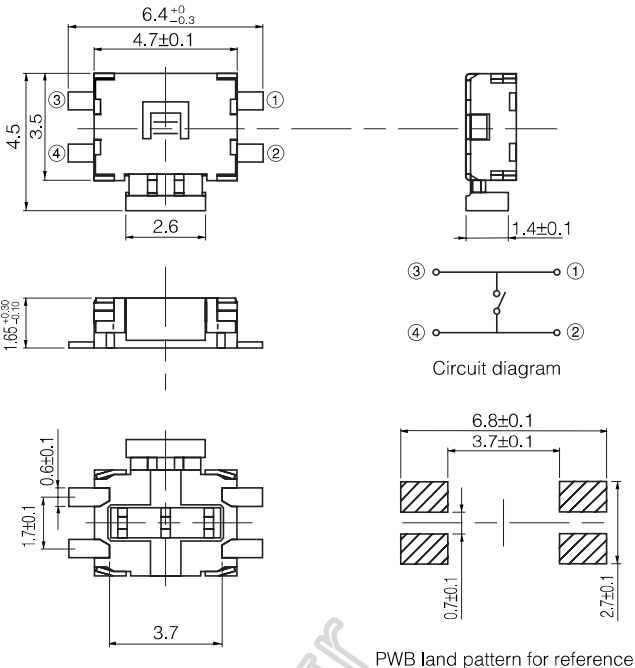

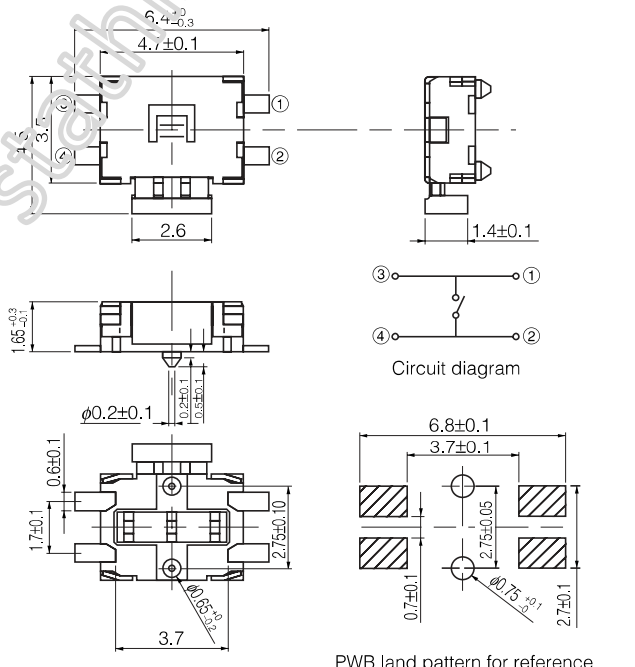
■ Explanation of Part Numbers



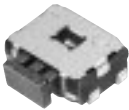
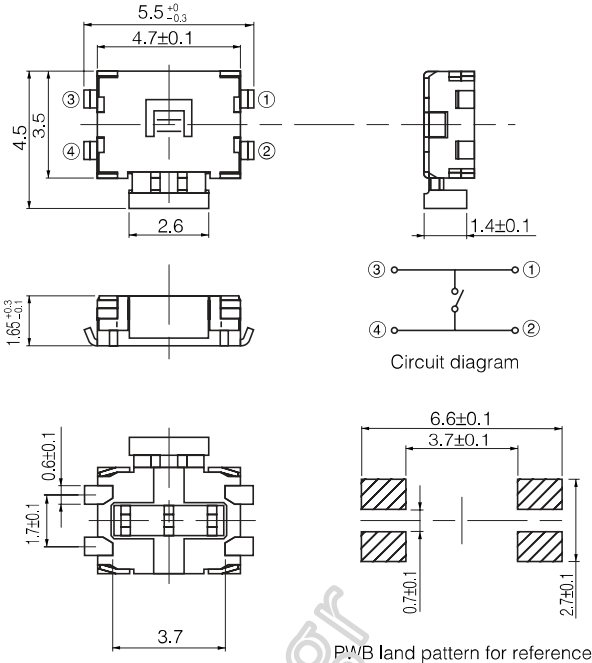

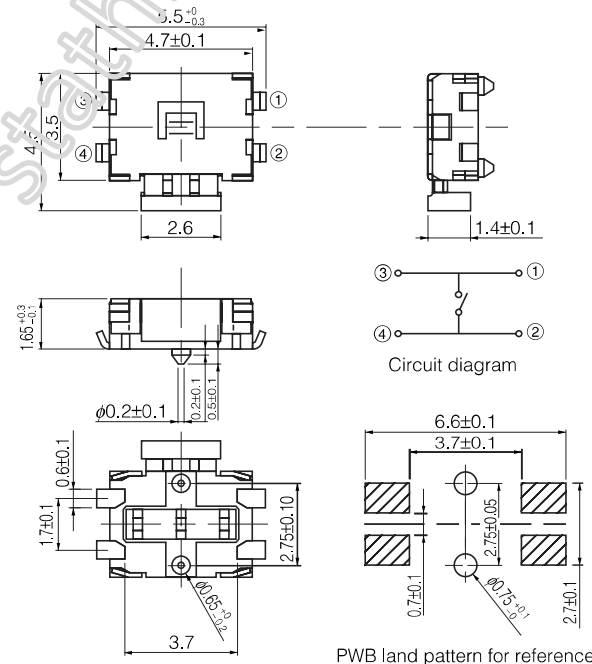
■ Specifications

Type	Snap action / Push-on type SPST	
Electrical	Rating	10 μ A 2 Vdc to 50 mA 12 Vdc (Resistive load)
	Contact Resistance	500 m Ω max.
	Insulation Resistance	100 M Ω min. (at 100 Vdc)
	Dielectric Withstanding Voltage	250 Vac for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	1.6 N ^{+0.7} _{-0.4} N 2.2 N ^{+0.8} _{-0.7} N
	Travel	0.3 mm ^{+0.1} _{-0.2} mm
	Push Strength	30 N (1 minute)
Endurance	Operating Life	100000 cycles min.
Operating Temperature		-40 °C to +85 °C
Storage Temperature		-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)
Minimum Quantity/Packing Unit		4000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		20000 pcs.

■ Dimensions in mm (not to scale)

<p>No. 1</p> <p>EVQPUJ EVQPUA</p> <p>(Embossed Taping)</p> <p>With straight terminals Without boss</p> 	 <p>Technical drawings for EVQPUJ/EVQPUA showing dimensions and circuit diagram. Dimensions include: 6.4^{+0.3}/_{-0.3}, 4.7±0.1, 4.5, 3.5, 2.6, 1.4±0.1, 1.65^{+0.30}/_{-0.10}, 1.7±0.1, 0.6±0.1, 3.7, 6.8±0.1, 3.7±0.1, 0.7±0.1, 2.7±0.1. Circuit diagram shows terminals ①, ②, ③, ④. PWB land pattern for reference shows dimensions 6.8±0.1, 3.7±0.1, 0.7±0.1, 2.7±0.1.</p>			
<p>Part Numbers</p>	<p>Operating Force</p>	<p>Height</p>	<p>Push Plate Color</p>	<p>Operating Life</p>
<p>EVQPUJ02K</p>	<p>1.6 N</p>	<p>1.65 mm</p>	<p>Black</p>	<p>100000 cycles</p>
<p>EVQPUA02K</p>	<p>2.2 N</p>	<p>1.35 mm</p>	<p>Black</p>	<p>100000 cycles</p>
<p>No. 2</p> <p>EVQPUL EVQPUC</p> <p>(Embossed Taping)</p> <p>With straight terminals With boss</p> 	 <p>Technical drawings for EVQPUL/EVQPUC showing dimensions and circuit diagram. Dimensions include: 6.4^{+0.3}/_{-0.3}, 4.7±0.1, 4.5, 3.5, 2.6, 1.4±0.1, 1.65^{+0.3}/_{-0.1}, 1.7±0.1, 0.6±0.1, 3.7, 6.8±0.1, 3.7±0.1, 0.7±0.1, 2.7±0.1, 2.75±0.10, 0.2±0.1, 0.2±0.1, 0.6±0.1, 0.75±0.1, 0.7±0.1, 2.7±0.1. Circuit diagram shows terminals ①, ②, ③, ④. PWB land pattern for reference shows dimensions 6.8±0.1, 3.7±0.1, 0.7±0.1, 2.7±0.1, 2.75±0.10, 0.75±0.1.</p>			
<p>Part Numbers</p>	<p>Operating Force</p>	<p>Height</p>	<p>Push Plate Color</p>	<p>Operating Life</p>
<p>EVQPUL02K</p>	<p>1.6 N</p>	<p>1.65 mm</p>	<p>Black</p>	<p>100000 cycles</p>
<p>EVQPUC02K</p>	<p>2.2 N</p>	<p>1.65 mm</p>	<p>Black</p>	<p>100000 cycles</p>

■ Dimensions in mm (not to scale)

<p>No. 3</p> <p>EVQPUK EVQPUB</p> <p>(Embossed Taping)</p> <p>With J-bent terminals Without boss</p> 	 <p>PWB land pattern for reference</p>			
<p>Part Numbers</p>	<p>Operating Force</p>	<p>Height</p>	<p>Push Plate Color</p>	<p>Operating Life</p>
<p>EVQPUK02K</p>	<p>1.6 N</p>	<p>1.65 mm</p>	<p>Black</p>	<p>100000 cycles</p>
<p>EVQPUB02K</p>	<p>2.2 N</p>	<p>1.65 mm</p>	<p>Black</p>	<p>100000 cycles</p>
<p>No. 4</p> <p>EVQPUM EVQPUD</p> <p>(Embossed Taping)</p> <p>With J-bent terminals With boss</p> 	 <p>PWB land pattern for reference</p>			
<p>Part Numbers</p>	<p>Operating Force</p>	<p>Height</p>	<p>Push Plate Color</p>	<p>Operating Life</p>
<p>EVQPUM02K</p>	<p>1.6 N</p>	<p>1.65 mm</p>	<p>Black</p>	<p>100000 cycles</p>
<p>EVQPUD02K</p>	<p>2.2 N</p>	<p>1.65 mm</p>	<p>Black</p>	<p>100000 cycles</p>