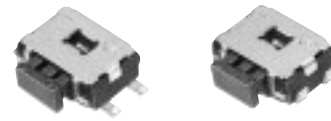


### Small-sized Side-operational SMD Light Touch Switches

Type: **EVQPU**



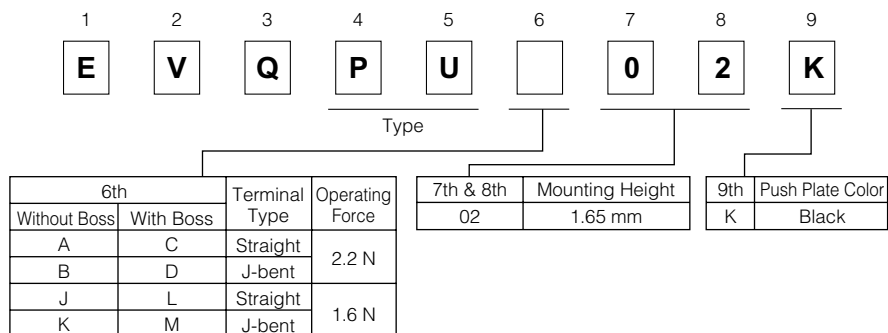
#### ■ Features

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

#### ■ Recommended Applications

- Car navigation, Car audio


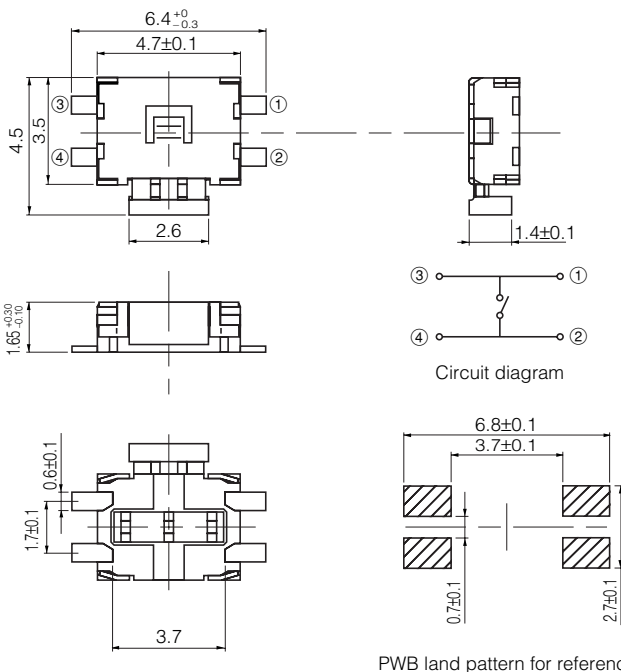
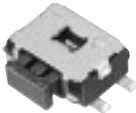
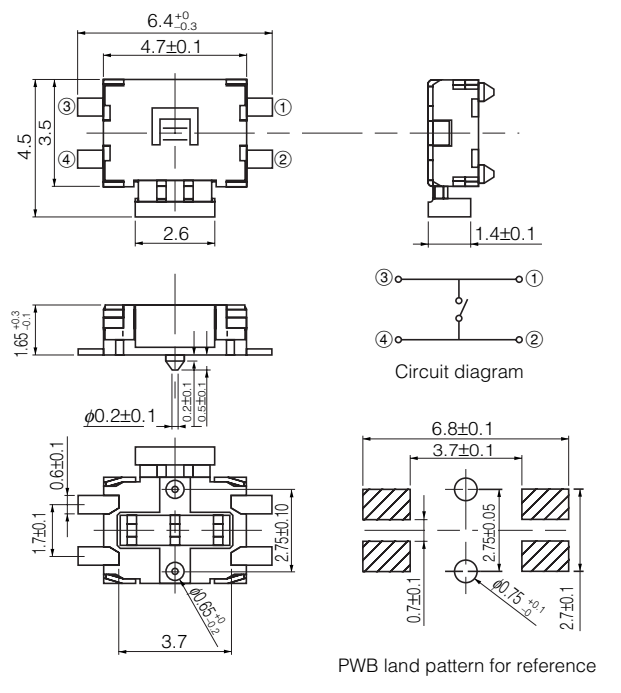
#### ■ Explanation of Part Numbers



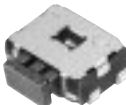
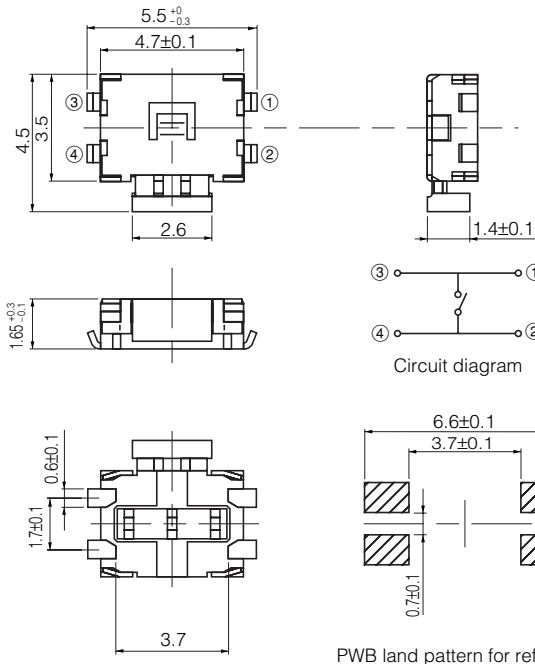
#### ■ Specifications


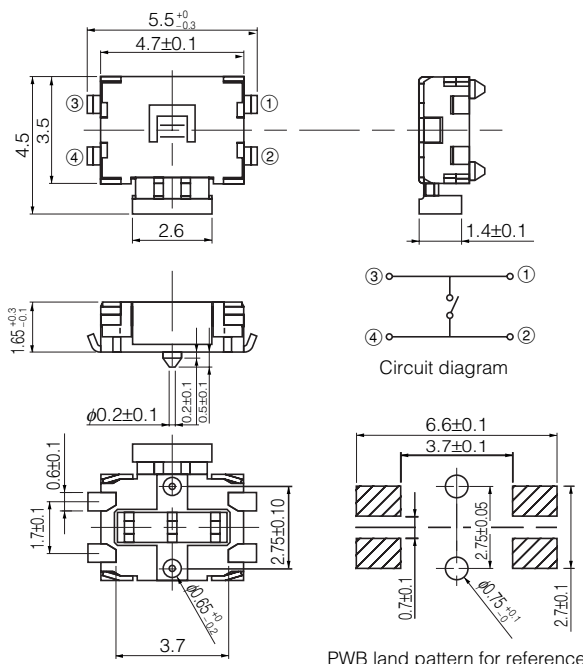
Type		Snap action / Push-on type SPST	
Electrical	Rating	10 $\mu$ A 2 Vdc to 50 mA 12 Vdc (Resistive load)	
	Contact Resistance	500 m $\Omega$ max.	
	Insulation Resistance	100 M $\Omega$ min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	10 ms max. (ON, OFF)	
Mechanical	Operating Force	1.6 N <sup>+0.7</sup> <sub>-0.4</sub> N	2.2 N <sup>+0.8</sup> <sub>-0.7</sub> N
	Travel	0.3 mm <sup>+0.1</sup> <sub>-0.2</sub> 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/Cartron		20000 pcs.	

### ■ Dimensions in mm (not to scale)

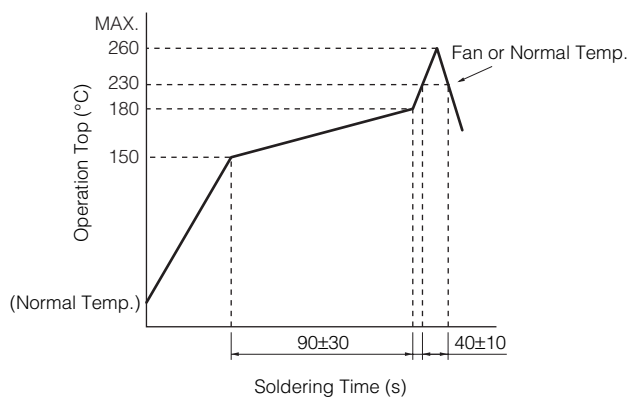
<div>No. 1</div> <div>EVQPUJ EVQPUA</div> <div>(Embossed Taping)</div> <div>With straight terminals Without boss</div> <div></div>		<div></div> <div>PWB land pattern for reference</div>		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUJ02K	1.6 N	1.65 mm	Black	100000 cycles
EVQPUA02K	2.2 N	1.65 mm	Black	100000 cycles
<div>No. 2</div> <div>EVQPUL EVQPUC</div> <div>(Embossed Taping)</div> <div>With straight terminals With boss</div> <div></div>		<div></div> <div>PWB land pattern for reference</div>		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUL02K	1.6 N	1.65 mm	Black	100000 cycles
EVQPUC02K	2.2 N	1.65 mm	Black	100000 cycles

### ■ Dimensions in mm (not to scale)

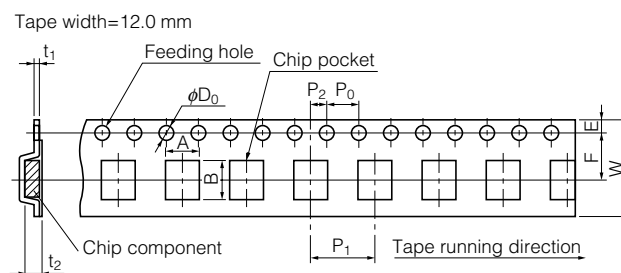
<div>No. 3</div> <div>EVQPUK EVQPUB</div> <div>(Embossed Taping)</div> <div>With J-bent terminals Without boss</div> <div></div>		<div></div> <div>PWB land pattern for reference</div>		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUK02K	1.6 N	1.65 mm	Black	100000 cycles
EVQPUB02K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

<div>No. 4</div> <div>EVQPUM EVQPUD</div> <div>(Embossed Taping)</div> <div>With J-bent terminals With boss</div> <div></div>		<div></div> <div>PWB land pattern for reference</div>		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUM02K	1.6 N	1.65 mm	Black	100000 cycles
EVQPUD02K	2.2 N	1.65 mm	Black	100000 cycles

### ■ Recommended Reflow Soldering Conditions



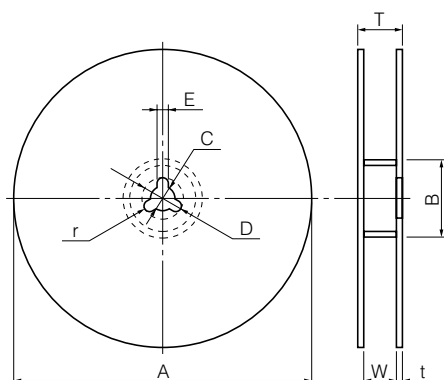
### ● Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	$P_1$	$P_2$	$P_0$	$D_0$ Dia.	$t_1$	$t_2$
EVQPU	1.65	$7.0 \pm 0.2$	$5.75 \pm 0.20$	$12.0 \pm 0.3$	$5.78 \pm 0.10$	$1.75 \pm 0.10$	$8.0 \pm 0.1$	$2.0 \pm 0.1$	$4.0 \pm 0.1$	$1.5^{+0.1}_{-0}$	$0.35 \pm 0.05$	$2.4 \pm 0.2$

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



Item	A	B	C	D	E
Rate (mm)	$\phi 370.0 \pm 2.0$	$\phi 50.0$ min.	$\phi 13.0 \pm 0.5$	$\phi 21.0 \pm 1.0$	$2.0 \pm 0.5$
Item	W	T	t	r	
Rate (mm)	$14.0 \pm 1.5$	—	1.0 to 3.0	$1.0 \pm 0.5$	