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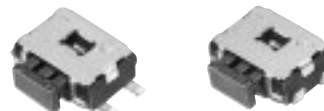
# Panasonic

## Light Touch Switches/EVQPU

Small-sized Side-operational SMD

Light Touch Switches

Type: **EVQPU**



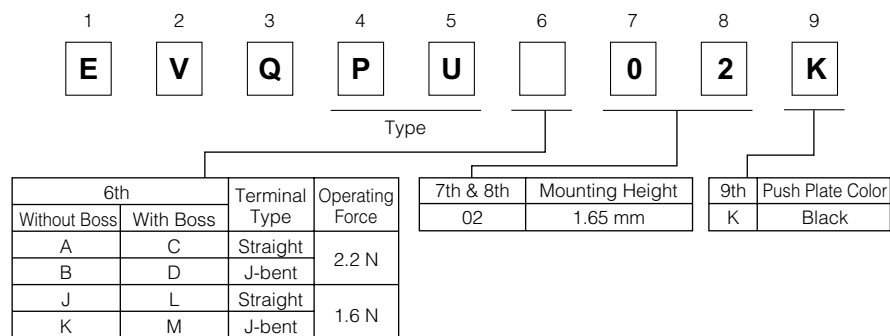
### ■ Features

- 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




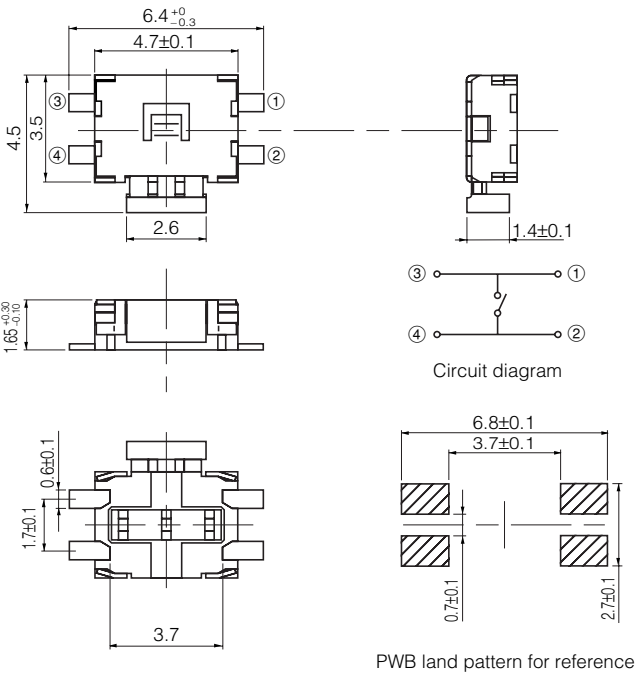
### ■ Specifications

Type	Snap action / Push-on type SPST	
Electrical	Rating	10 μA 2 Vdc to 50 mA 12 Vdc (Resistive load)
	Contact Resistance	500 mΩ max.
	Insulation Resistance	100 MΩ 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		-20 °C to +70 °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.


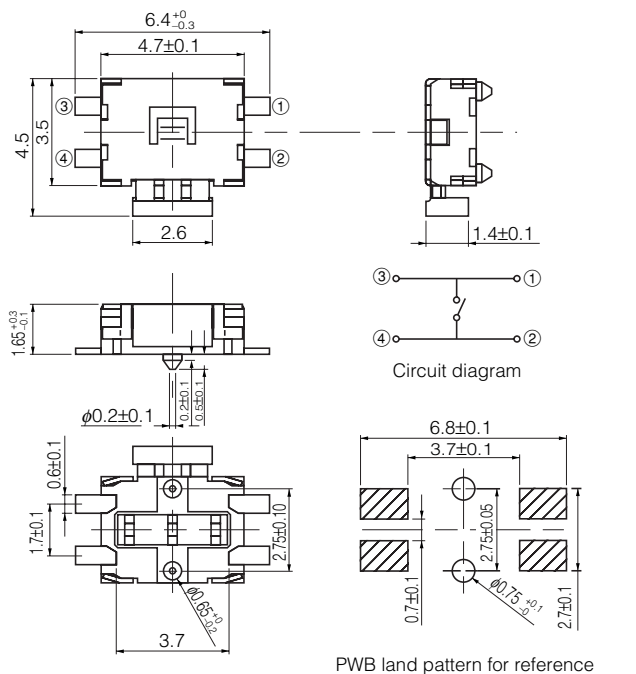
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## Light Touch Switches/EVQPU

■ Dimensions in mm (not to scale)

<p>No. 1</p> <p><b>EVQPUJ EVQPUA</b></p> <p>(Embossed Taping)</p> <p>With straight terminals Without boss</p> 	
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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

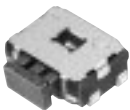
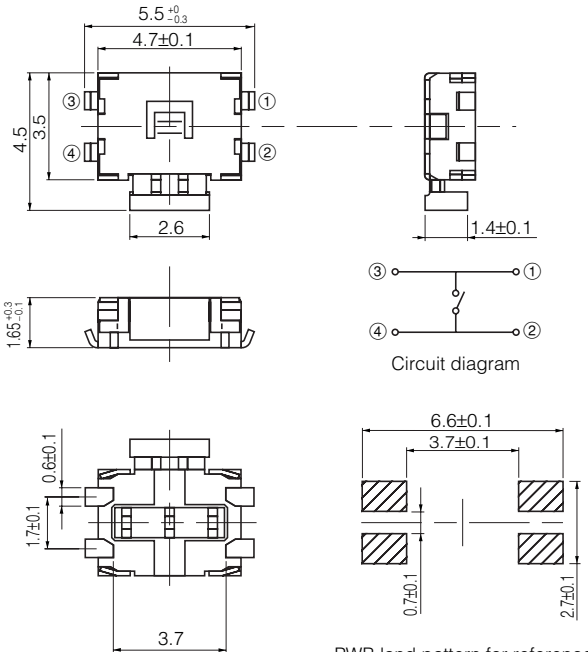
<p>No. 2</p> <p><b>EVQPUL EVQPUC</b></p> <p>(Embossed Taping)</p> <p>With straight terminals With boss</p> 	
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Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUL02K	1.6 N	1.65 mm	Black	100000 cycles
EVQPUC02K	2.2 N	1.65 mm	Black	100000 cycles


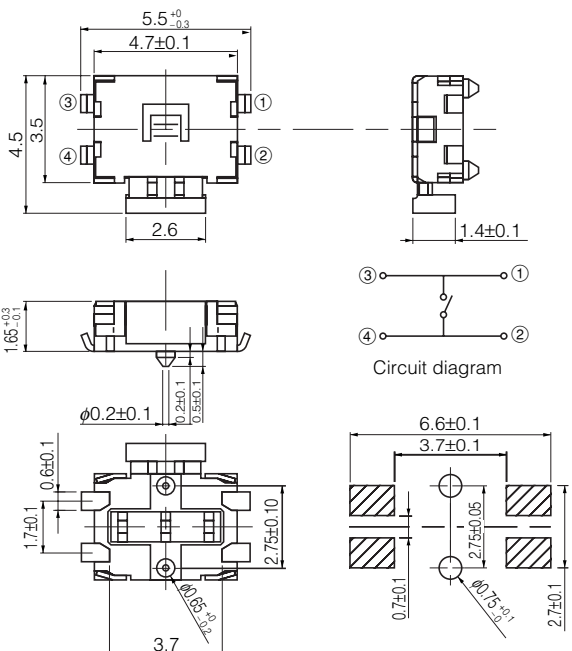
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## Light Touch Switches/EVQPU

■ Dimensions in mm (not to scale)

<p>No. 3</p> <p><b>EVQPUK EVQPUB</b></p> <p>(Embossed Taping)</p> <p>With J-bent terminals Without boss</p> 	 <p>Circuit diagram</p> <p>PWB land pattern for reference</p>
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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

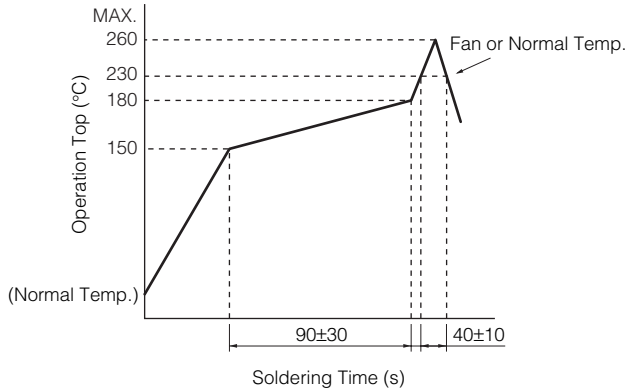
<p>No. 4</p> <p><b>EVQPUM EVQPUD</b></p> <p>(Embossed Taping)</p> <p>With J-bent terminals With boss</p> 	 <p>Circuit diagram</p> <p>PWB land pattern for reference</p>
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Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUM02K	1.6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

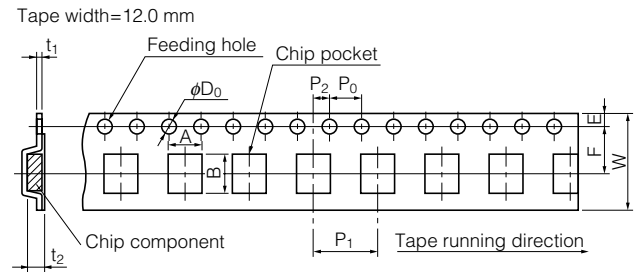
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## Light Touch Switches/EVQPU

### Recommended Reflow Soldering Conditions



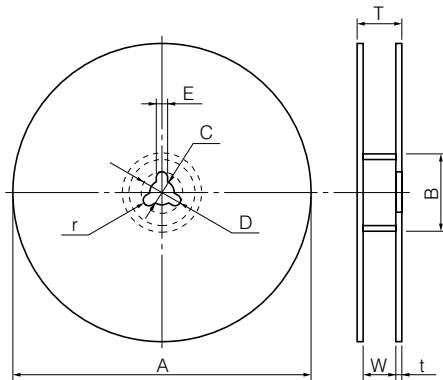
### Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P <sub>1</sub>	P <sub>2</sub>	P <sub>0</sub>	D <sub>0</sub> Dia.	t <sub>1</sub>	t <sub>2</sub>
EVQPU	1.65	7.0±0.2	5.75±0.20	12.0±0.3	5.78±0.20	1.75±0.10	8.0±0.1	2.0±0.1	4.0±0.1	1.5 <sup>+0.1</sup> <sub>-0</sub>	0.35±0.05	2.4±0.2

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



Item	A	B	C	D	E
Rate (mm)	φ370.0±2.0	φ50.0 min.	φ13.0±0.5	φ21.0±1.0	2.0±0.5

Item	W	T	t	r
Rate (mm)	14.0±1.5	—	1.0 to 3.0	1.0±0.5