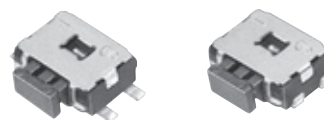


Small-sized Side-operational SMD Light Touch Switches

Type: **EVQPU**



■ Features

- External dimensions : 4.7 mm×3.5 mm(Excluding the push plate), Height 1.65mm
- 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

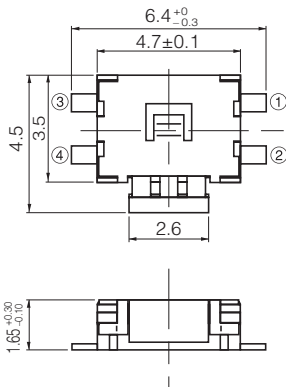
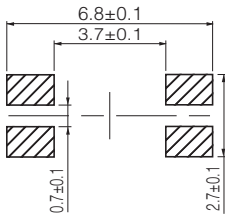
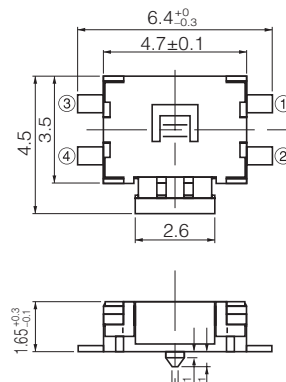
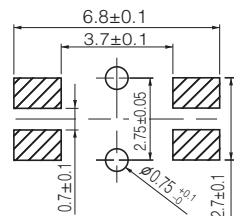
1	2	3	4	5	6	7	8	9
E	V	Q	P	U		0	2	K
Product Code			Type • Operating Force			Product Height		

■ Specifications

Type	Snap action / Push-on type SPST	
Electrical	Rating	10 μ A 2 V DC to 50 mA 12 V DC (Resistive load)
	Contact Resistance	500 m Ω max.
	Insulation Resistance	100 M Ω 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 ^{+0.7} _{-0.4} N
	Travel	0.3 mm ^{+0.1} _{-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		4,000 pcs. Embossed Taping (Reel Pack)
Quantity/Cartron		20,000 pcs.

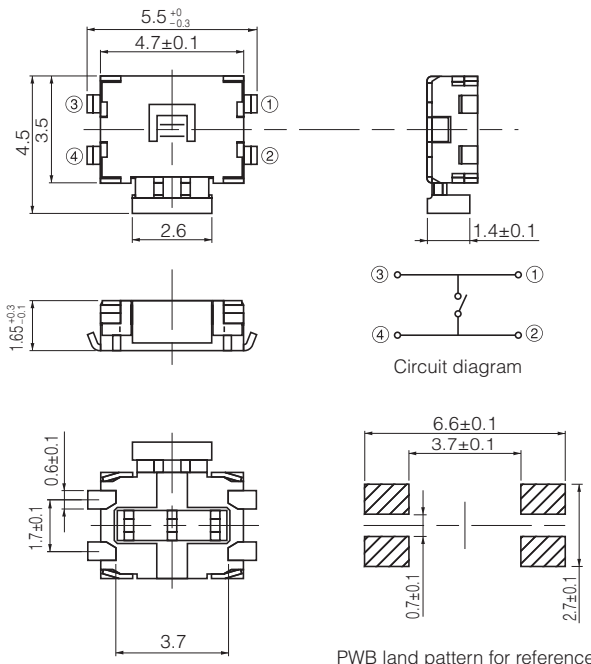
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

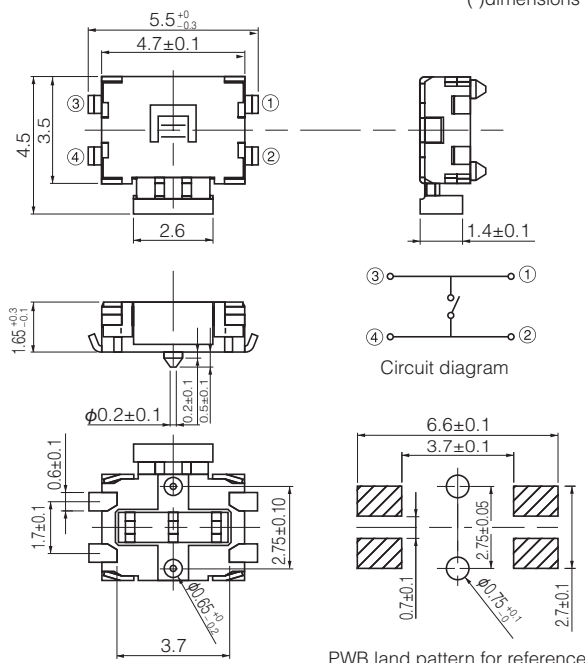
■ Dimensions in mm (not to scale)

No. 1 EVQPUJ EVQPUA (Embossed Taping) With straight terminals Without boss 		General dimension tolerance : ± 0.2 () dimensions are reference dimensions.  Circuit diagram  PWB land pattern for reference			
Part Numbers EVQPUJ02K EVQPUA02K		Operating Force 1.6 N 2.2 N	Height 1.65 mm 1.65 mm	Push Plate Color Black Black	Operating Life 100,000 cycles 100,000 cycles
No. 2 EVQPUL EVQPUC (Embossed Taping) With straight terminals With boss 		General dimension tolerance : ± 0.2 () dimensions are reference dimensions.  Circuit diagram  PWB land pattern for reference			
Part Numbers EVQPUL02K EVQPUC02K		Operating Force 1.6 N 2.2 N	Height 1.65 mm 1.65 mm	Push Plate Color Black Black	Operating Life 100,000 cycles 100,000 cycles

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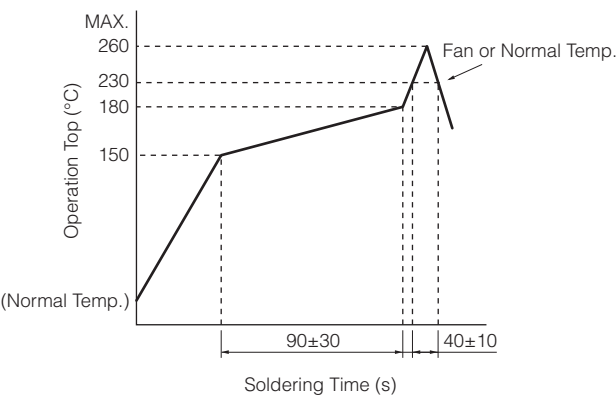
■ Dimensions in mm (not to scale)

No. 3 EVQPUK EVQPUB (Embossed Taping) With J-bent terminals Without boss 		General dimension tolerance : ± 0.2 () dimensions are reference dimensions. 		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUK02K	1.6 N	1.65 mm	Black	100,000 cycles
EVQPUB02K	2.2 N	1.65 mm	Black	100,000 cycles

No. 4 EVQPUM EVQPUD (Embossed Taping) With J-bent terminals With boss 		General dimension tolerance : ± 0.2 () dimensions are reference dimensions. 		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUM02K	1.6 N	1.65 mm	Black	100,000 cycles
EVQPUD02K	2.2 N	1.65 mm	Black	100,000 cycles

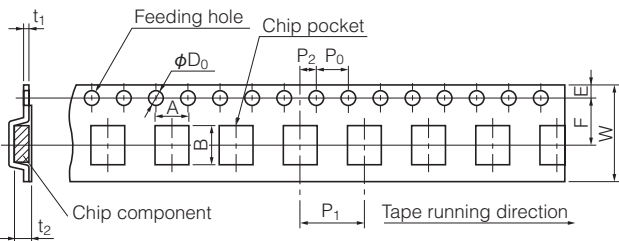
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
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■ Recommended Reflow Soldering Conditions



● Embossed Carrier Taping

Tape width=12.0 mm



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.

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±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 ^{+0.1} ₋₀	0.35±0.05	2.4±0.2

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