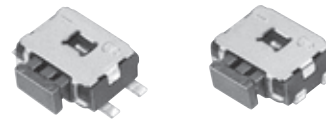


Small-sized Side-operational SMD Light Touch Switches

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

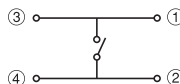
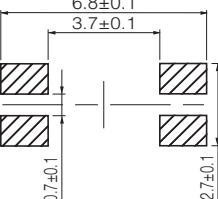
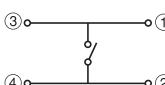
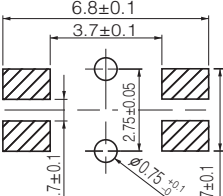
1	2	3	4	5	6	7	8	9
E	V	Q	P	U		0	2	K
Product Code			Type • Operating Force			Product Height		

■ 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 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	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.

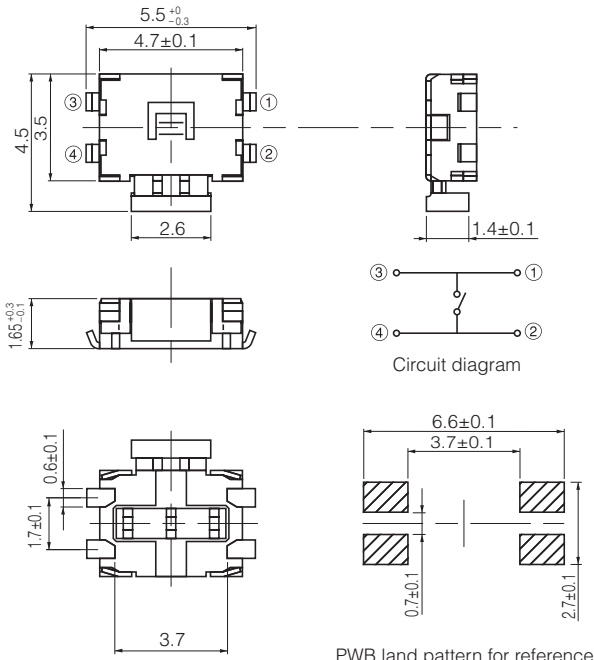
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

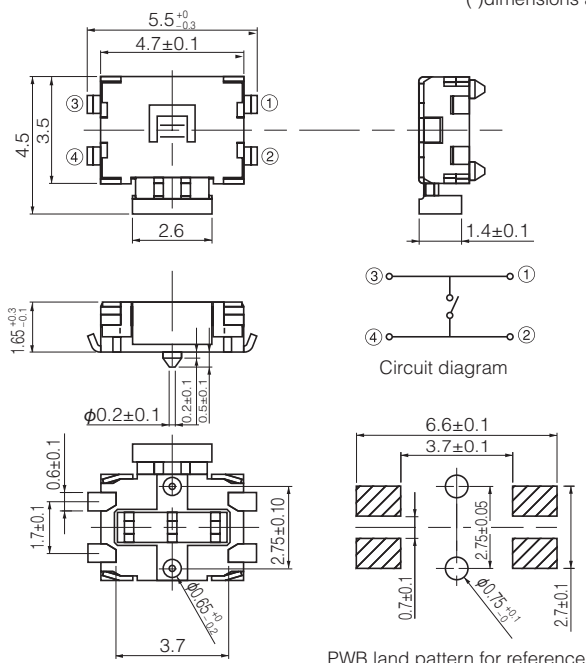
■ Dimensions in mm (not to scale)

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

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.

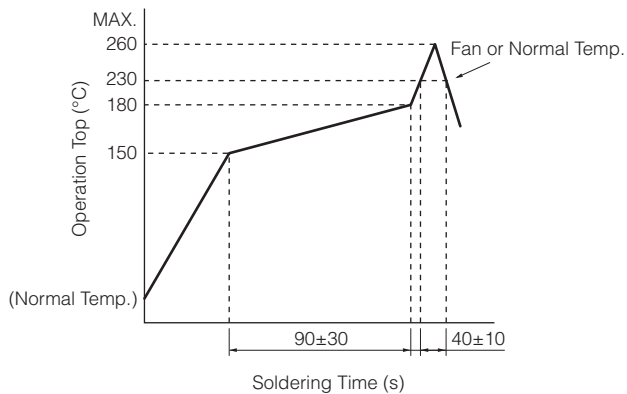
■ Dimensions in mm (not to scale)

No. 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

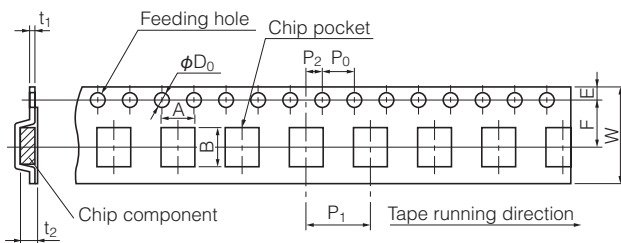
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ 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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