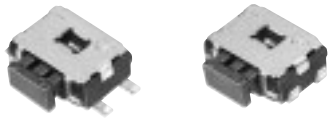
Small-sized Side-operational SMD Light Touch Switches

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

1	2	3	4	5	6	7	8	9
E	V	Q	P	U		0	2	K

Type

6th		Terminal Type	Operating Force
Without Boss	With Boss		
A	C	Straight	2.2 N
B	D	J-bent	
J	L	Straight	1.6 N
K	M	J-bent	

7th & 8th	Mounting Height
02	1.65 mm

9th	Push Plate Color
K	Black

■ 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 $N^{+0.7}_{-0.4}$ 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		–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.	

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.

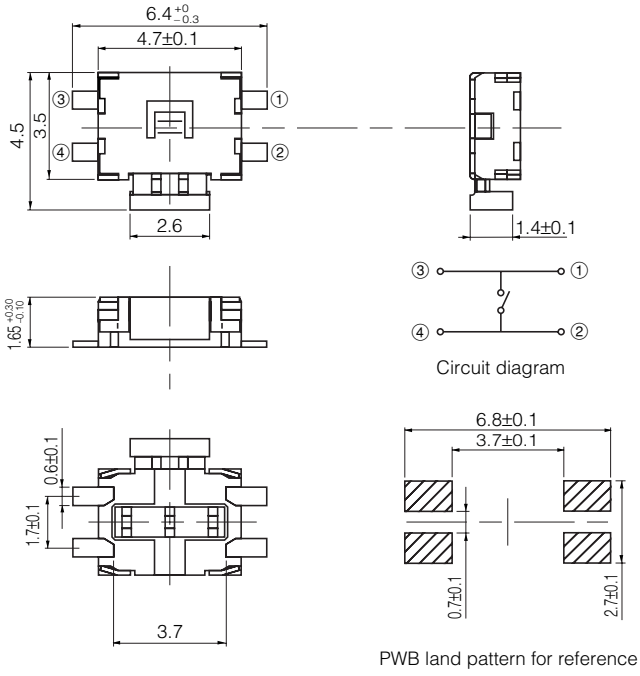
■ Dimensions in mm (not to scale)

No. 1

EVQPUJ
EVQPUA

(Embossed Taping)

With straight terminals
Without boss



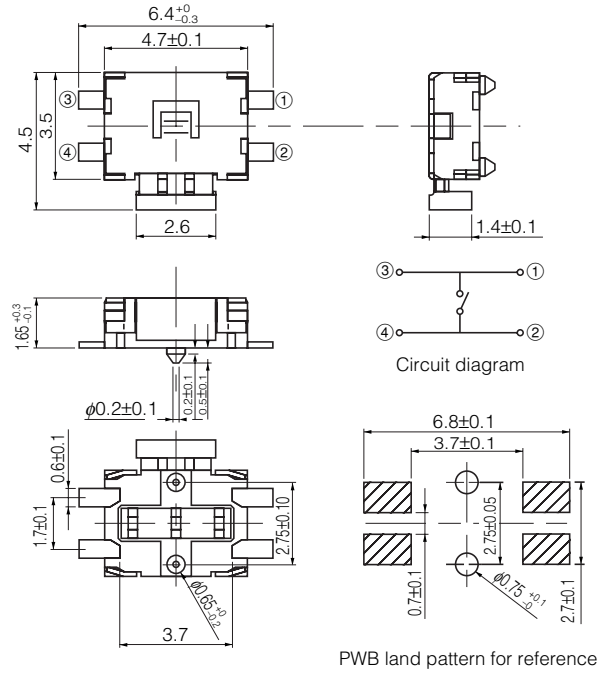
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUJ02K	1.6 N	1.65 mm	Black	100000 cycles
EVQPUA02K	2.2 N	1.65 mm	Black	100000 cycles

No. 2

EVQPUL
EVQPUC

(Embossed Taping)

With straight terminals
With boss



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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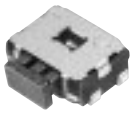
■ Dimensions in mm (not to scale)

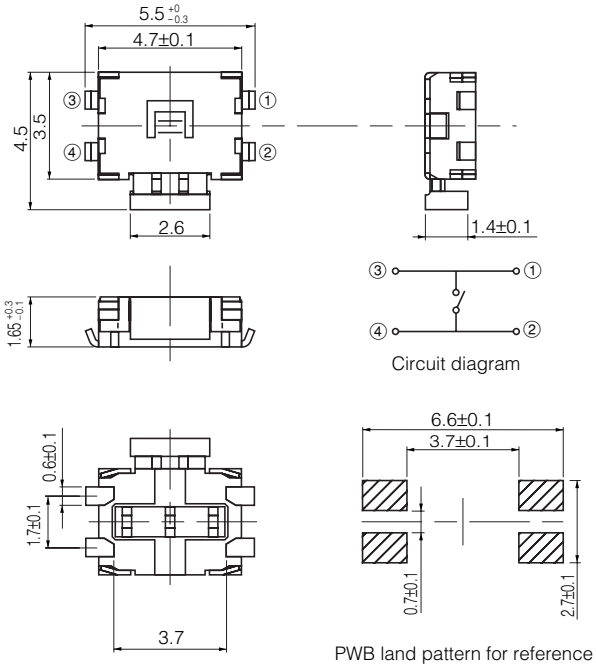
No. 3

EVQPUK
EVQPUB

(Embossed Taping)

With J-bent terminals
Without boss





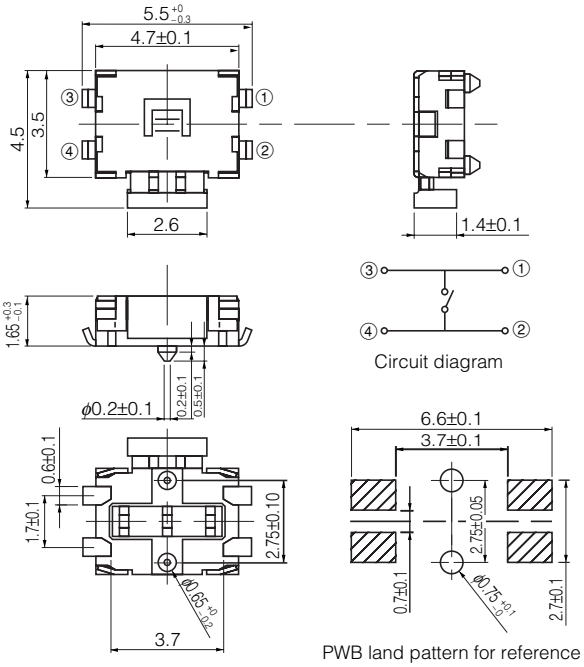
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUK02K	1.6 N	1.65 mm	Black	100000 cycles
EVQPUB02K	2.2 N	1.65 mm	Black	100000 cycles

No. 4

EVQPUM
EVQPUD

(Embossed Taping)

With J-bent terminals
With boss



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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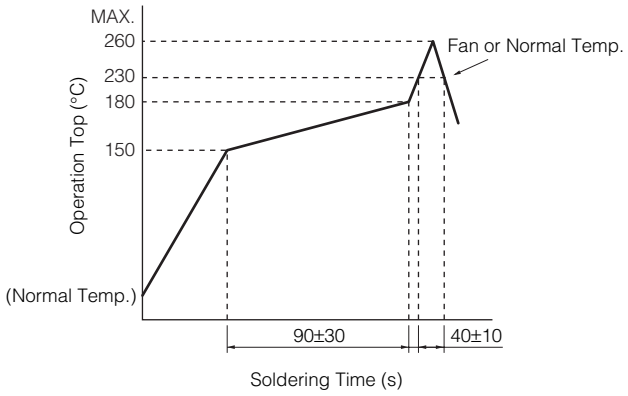
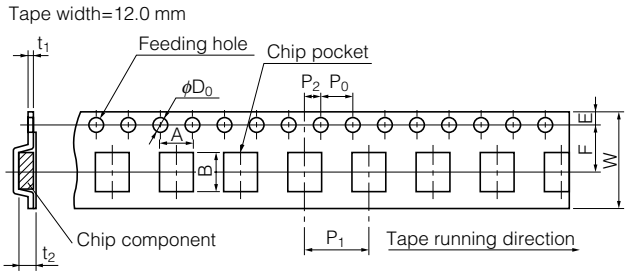
■ Recommended Reflow Soldering Conditions



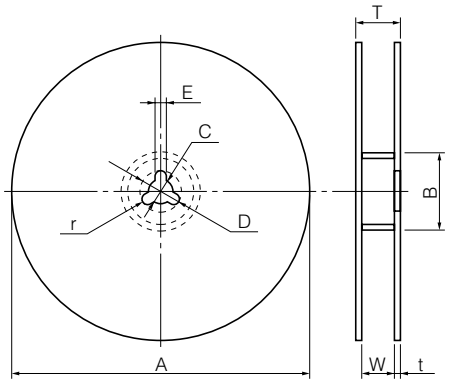
● Embossed Carrier Taping



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±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

● 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

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