Small-sized Side-operational SMD Light Touch Switches

Type: **EVQPU**



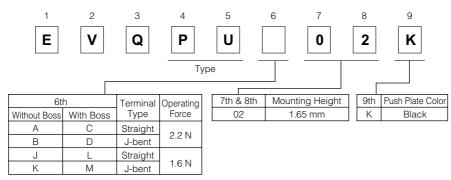
Features

- 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

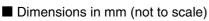
Туре		Snap action / Push-on type SPST				
	Rating	10 µA 2 Vdc to 50 mA 12 Vdc (Resistive load)				
Electrical	Contact Resistance	500 m Ω max.				
	Insulation Resistance	100 M Ω min. (at 100 Vdc)				
	Dielectric Withstanding Voltage	250 Vac for 1 minute				
	Bouncing	10 ms max. (ON, OFF)				
Mechanical	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		-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/Carto	on	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)

Dimensions in mm (not	to scale)				
No. 1		C 4+0			
EVQPUJ EVQPUA (Embossed Taping) With straight terminals Without boss	1.66.400 4.5 () 3.5 () 3.5		\$	1 ① ②	
	1.740.1 1.740.1		PWB land pattern for re		
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	$\begin{array}{c} 1.7\pm0.1 \\ \hline 1.7\pm0.1 \\ \hline 1.7\pm0.1 \\ \hline 1.6\pm0.1 \\ \hline 1.6\pm0.1 \\ \hline 1.6\pm0.1 \\ \hline 1.6\pm0.1 \\ \hline 1.6\pm0.6 \\ \hline 1.6\pm0.6 \\ \hline 1.6\pm0.1 \\ \hline 1.6\pm0.6 \\ \hline$		6.8 ± 0.1 $6.8\pm$		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life	
EVQPUL02K	1.6 N	1.65 mm	100000 cycles		
EVQPUC02K	2.2 N 1.65 mm Black 100000 cyc				

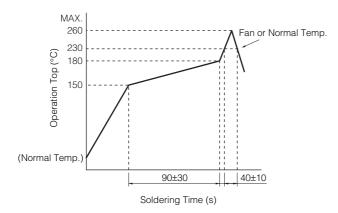
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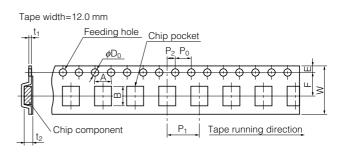
Dimensions in mm (not	t to scale)			
No. 3				
EVQPUK EVQPUB (Embossed Taping) With J-bent terminals Without boss	3.5		6.6 ± 0.1	
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUK02K	1.6 N	1.65 mm	Black	100000 cycles
EVQPUB02K	2.2 N	1.65 mm	Black	100000 cycles
No. 4 EVQPUM (Embossed Taping) With J-bent terminals With boss	1.740.1 1.740.1 0.640.1 1.65 ^{-0.3} 1.65 ^{-0.3} 1.6		Image: state of the state	
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



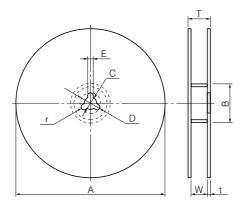
• Embossed Carrier Taping



Unit: mm

Part No.	Height	A	В	W	F	E	P1	P ₂	Po	D₀ Dia.	t1	t2
EVQPU	1.65	7.0±0.2	5.75±0.20	12.0±0.3	5.78±0.10	1.75±0.10	8.0±0.1	2.0±0.1	4.0±0.1	1.5 ^{+0.1}	0.35±0.05	2.4±0.2

• Standard Reel Dimensions in mm (not to scale)



Item	А	В	С	D	E	
Rate (mm)	φ370.0±2.0	<i>ø</i> 50.0 min.	<i>ф</i> 13.0±0.5	\$\$\phi21.0±1.0	2.0±0.5	
Item	W	Т	t	r		
Rate (mm)	14.0±1.5	_	1.0 to 3.0	1.0±0.5		