



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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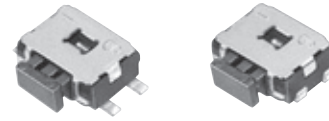
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Small-sized Side-operational SMD Light Touch Switches

Type: **EVQPU**



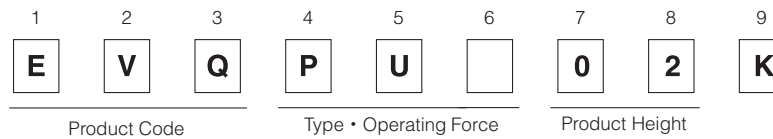
■ Features

- 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


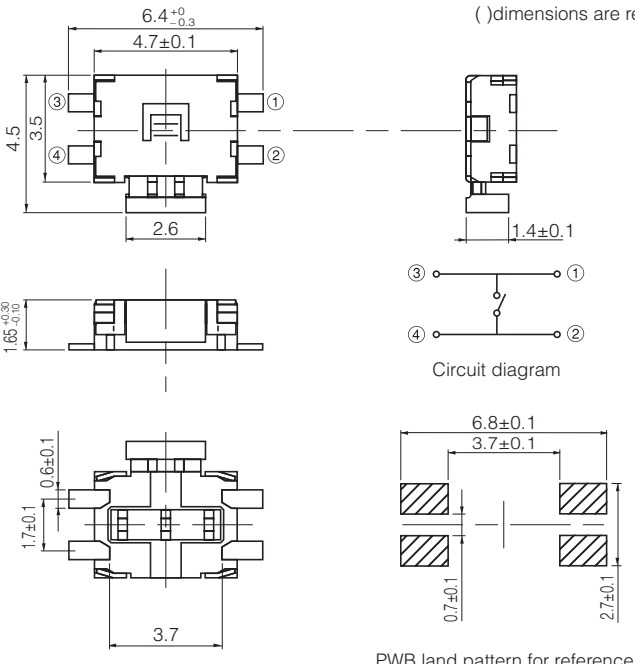

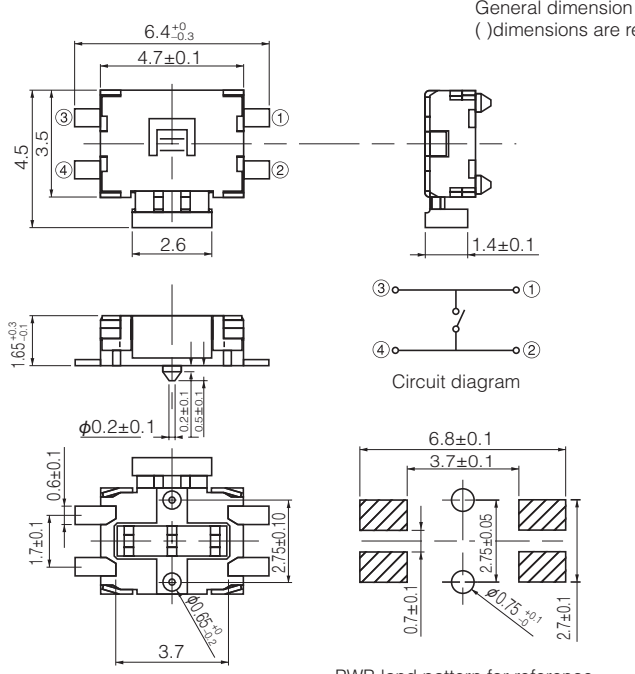


■ Specifications

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/Carton		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)

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

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■ Dimensions in mm (not to scale)

<p style="text-align: center; border: 1px solid black; display: inline-block; padding: 2px;">No. 3</p>	<div style="text-align: right; font-size: small;">General dimension tolerance : ± 0.2 () dimensions are reference dimensions.</div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="width: 45%;"> <p>EVQPUK EVQPUB</p> <p>(Embossed Taping)</p> <p>With J-bent terminals Without boss</p> </div> <div style="width: 50%;"> <p style="text-align: center;">Circuit diagram</p> <p style="text-align: center;">PWB land pattern for reference</p> </div> </div>
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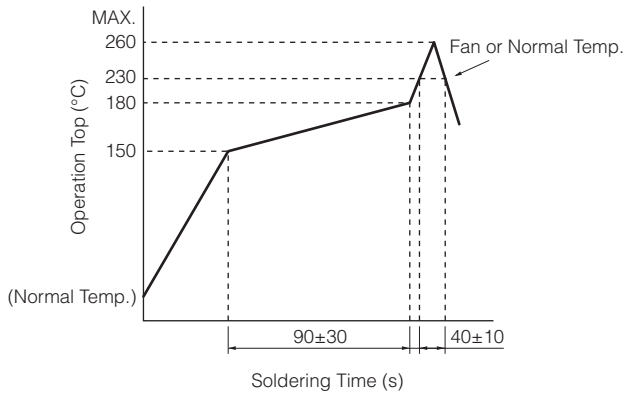
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPUK02K	1.6 N	1.65 mm	Black	100,000 cycles
EVQPUB02K	2.2 N	1.65 mm	Black	100,000 cycles

<p style="text-align: center; border: 1px solid black; display: inline-block; padding: 2px;">No. 4</p>	<div style="text-align: right; font-size: small;">General dimension tolerance : ± 0.2 () dimensions are reference dimensions.</div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="width: 45%;"> <p>EVQPUM EVQPUD</p> <p>(Embossed Taping)</p> <p>With J-bent terminals With boss</p> </div> <div style="width: 50%;"> <p style="text-align: center;">Circuit diagram</p> <p style="text-align: center;">PWB land pattern for reference</p> </div> </div>
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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

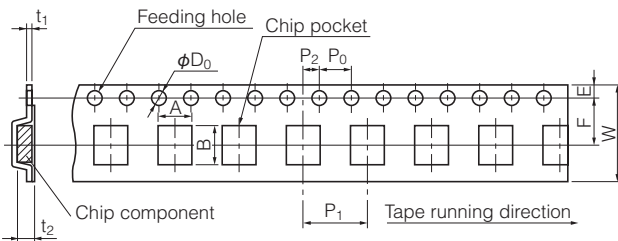
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■ Recommended Reflow Soldering Conditions



● 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