

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!



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4.7 mm×3.5 mm SMD Light Touch Switches

Type: EVQP2/EVQP9/EVQ3P2



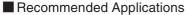


● External dimensions: 4.7 mm×3.5 mm,

Height: Middle Push Travel 2.5 mm

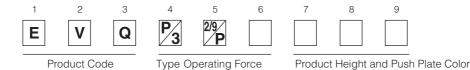
Short Push Travel 2.1 mm, 2.5 mm

- High operating force and long operational life
- High mountability with J-bent (4 terminals)



- Operation switches for portable electronic equipment (Mobile phones, Digital still cameras, Camcorders, Portable audio players, etc.)
- Keyless entry systems (automotive)
- Car audio equipment

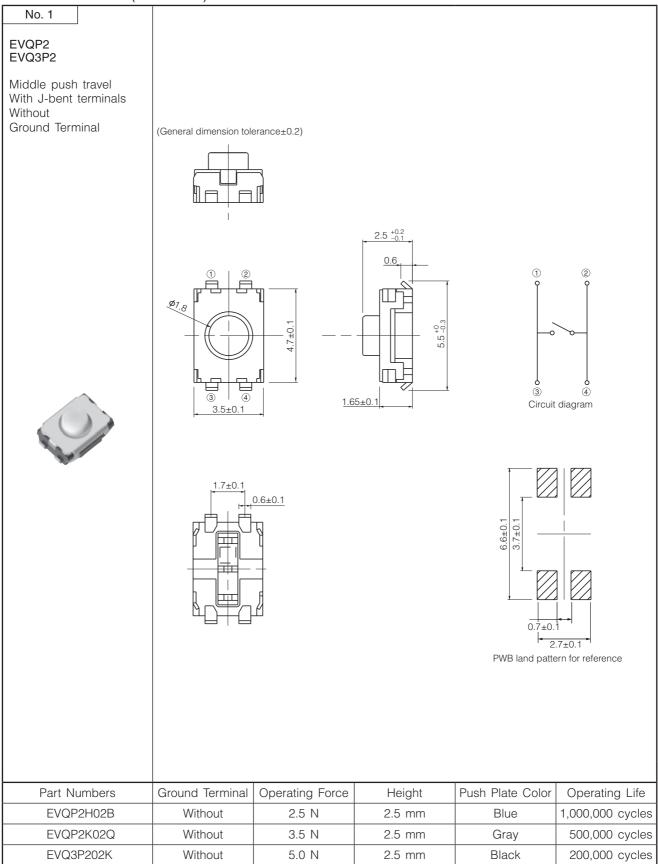
■ Explanation of Part Numbers



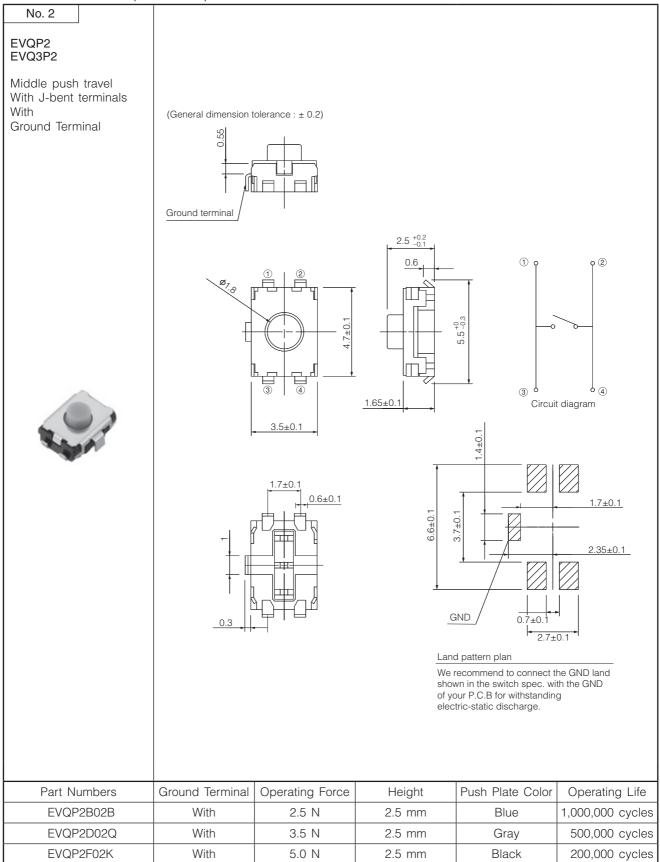
■ Specifications

Travel Type		Middle Push Travel	Short Push Travel					
Туре		Snap action / Push-on V DC type SPST						
Electrical	Rating	10 μA 2 V DC to 20 mA 15 V DC (Resistive load)						
	Contact Resistance	100 mΩ max.						
	Insulation Resistance	100 MΩ min. (at 100 V DC)						
	Dielectric Withstanding Voltage	250 V AC (1 minute)						
	Bouncing	10 ms max. (ON, OFF)						
Mechanical	Operating Force	2.5 N, 3.5 N, 5.0 N	1.0 N, 1.6 N, 2.4 N, 3.5 N, 4.0 N, 5.0 N					
	Travel	0.70 mm±0.20 mm	0.25 mm ^{+0.05} mm					
Endurance	Operating Life	2.5 N:1,000,000 cycles min. 3.5 N: 500,000 cycles min. 5.0 N: 200,000 cycles min.	1.0 N, 1.6 N: 1,000,000 cycles min. 2.4 N: 500,000 cycles min. 3.5 N: 200,000 cycles min. 4.0 N: 200,000 cycles min. 5.0 N: 200,000 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		4,000 pcs. Embossed Taping (Reel Pack)						
Quantity/Carton		20,000 pcs.						

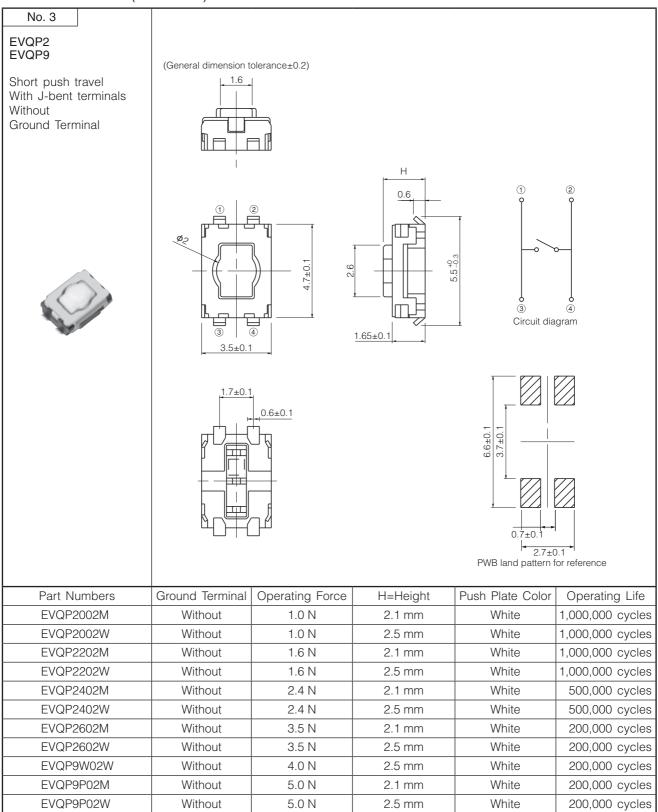
■ Dimensions in mm (not to scale)



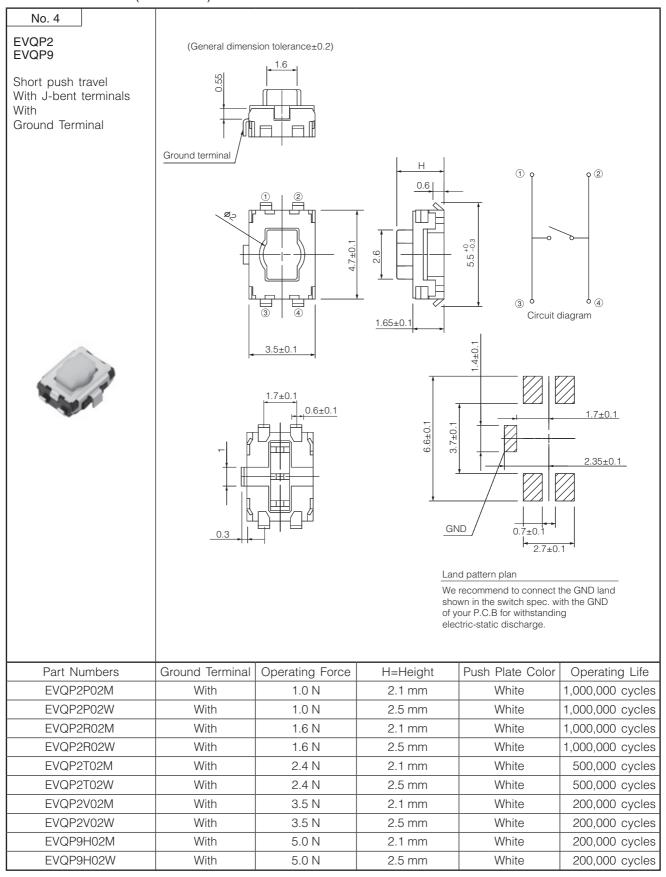
■ Dimensions in mm (not to scale)



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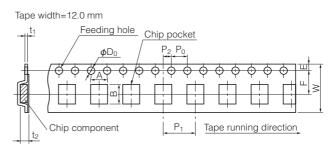
■ Dimensions in mm (not to scale)



■ Recommended Reflow Soldering Conditions

MAX. 260 Fan or Normal Temp. 230 180 Fan or Normal Temp. (Normal Temp.) 90±30 40±10 Soldering Time (s)

Embossed Carrier Taping



Taping condition: Lack of products in the middle of taping should be one MAX, but total quantity specified in the specifications should be secured.

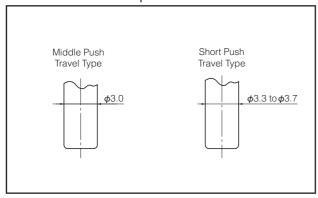
Peeling off strength of top tape: It should be within 0.2N to 1. ON at 165 degree in peeling off angle.

Joint of carrier tape: One joint per one reel may exist.

Unit: mm

Part No.	Height	А	В	W	F	Е	P ₁	P ₂	Po	D₀ Dia.	t ₁	t2
EVQP2 EVQP9 EVQ3P2	2.1 2.5	6.0±0.2	4.7±0.2	12.0±0.3	5.5±0.1	1.75±0.10	8.0±0.1	2.0±0.1	4.0±0.1	1.5+0.1	0.3±0.1	2.7±0.2

■ Recommended Shape of Test Pole



■ Recommended Operating Conditions

