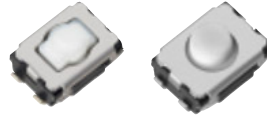


4.7×3.5 mm Square Light Touch Switches

Japan

Type: **EVQP2**

An extra-small-sized switch for creating medium and short push travel and meeting the needs for a high-operating force and long operation life



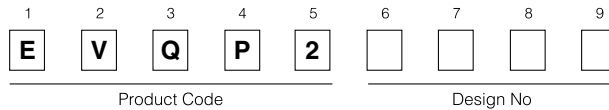
■ Features

- Creating medium and short push travel
- Meeting the need for a high operating force and long operation life
- High mountability by J-bent(4 terminals)

■ Recommended Applications

- Keyless Entry Systems (Automotive)
- Car Audio Equipment
- Audio Visual Equipment

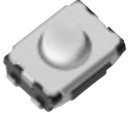
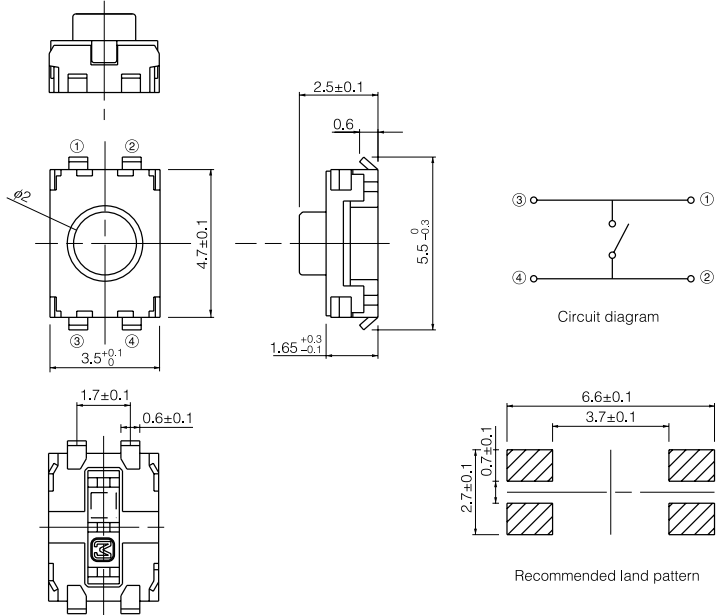
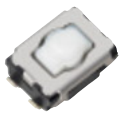
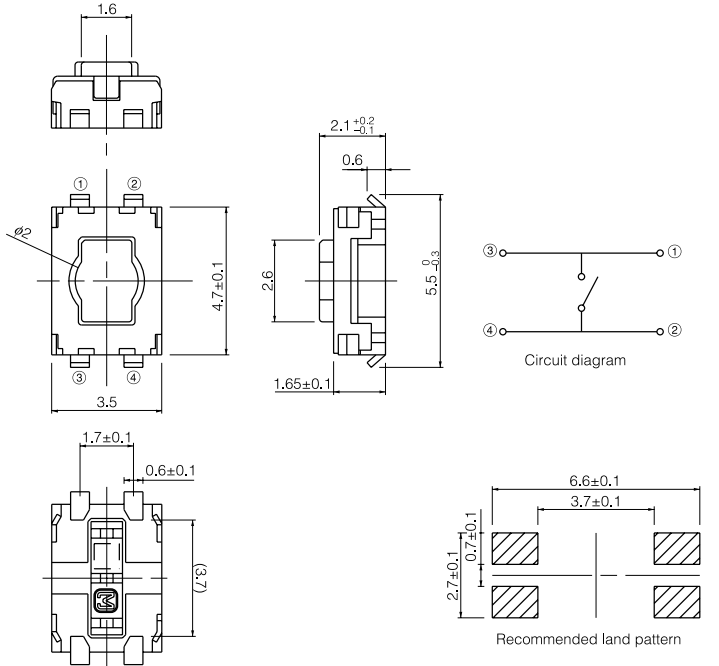
■ Explanation of Part Numbers



■ Major Specifications

		Medium Push Travel	Short Push Travel
Electrical	Power	20 mA 15 V dc max.	
	Contact Resistance	100 mΩ max.	
	Insulation Resistance	100 mΩ min.	
	Dielectric Withstanding Voltage	250 V ac (1 minute)	
	Bouncing	10 ms max.	
Mechanical	Operating Force	2.5 N, 3.5 N 5 N	1 N, 1.6 N, 2.4 N, 3.5 N
	Travel	0.70 mm	0.25 mm
	Push Strength	50 N (1 minute)	
Endurance	Operating Life	2.5 N: 1000000 cycles min.	1 N, 1.6 N: 1000000 cycles min.
		3.5 N: 500000 cycles min.	2.4 N: 500000 cycles min.
		5 N: 200000 cycles min.	3.5 N: 200000 cycles min.
	Operating Temperature	-40 °C to 85 °C	
Storage Temperature	-40 °C to 85 °C (Taping -20 °C to +60 °C)		
Minimum Quantity/Packing Unit		4000 pcs. (Reel Pack)	
Quantity/Case		20000 pcs./case	

■ Dimensions in mm (not to scale)

<p>No. 1</p> <p>Japan</p> <p>Medium push travel With J-bent terminals (With Ground terminal)</p> 	 <p>Technical drawings for No. 1 switch showing dimensions and circuit diagram. Dimensions include: 1.65^{+0.3}/_{-0.1}, 1.65^{+0.3}/_{-0.1}, 1.7±0.1, 0.6±0.1, 3.5^{+0.1}/₀, 4.7±0.1, 2.5±0.1, 0.6, 5.5⁰/_{-0.3}, 6.6±0.1, 3.7±0.1, 2.7±0.1, 0.7±0.1.</p> <p>Circuit diagram showing terminals ①, ②, ③, and ④.</p> <p>Recommended land pattern showing dimensions 6.6±0.1, 3.7±0.1, 2.7±0.1, and 0.7±0.1.</p>
<p>No. 2</p> <p>Japan</p> <p>Short push travel With J-bent terminals (With Ground terminal)</p> 	 <p>Technical drawings for No. 2 switch showing dimensions and circuit diagram. Dimensions include: 1.6, 1.65±0.1, 2.1^{+0.2}/_{-0.1}, 0.6, 2.6, 5.5⁰/_{-0.3}, 3.5, 4.7±0.1, 6.6±0.1, 3.7±0.1, 2.7±0.1, 0.7±0.1, 1.7±0.1, 0.6±0.1, (3.7).</p> <p>Circuit diagram showing terminals ①, ②, ③, and ④.</p> <p>Recommended land pattern showing dimensions 6.6±0.1, 3.7±0.1, 2.7±0.1, and 0.7±0.1.</p>