4.9 mm Square SMD Light Touch Switches





### Features

 External dimensions : 4.9 mm× 4.9 mm, Height: 0.8 mm(Without push plate), 1.5 mm(With push plate)

#### Recommended Applications

- Operation switches for portable electronic equipment (Notebook PC, Camcorders, Portable audio players, etc.)
- Operation switches for car audio systems

### Explanation of Part Numbers



### Specifications

Туре		Snap action/Push-on type SPST					
Electrical	Rating	10 µA 2 V DC to 20 mA 15 V DC (Resistive load)					
	Contact Resistance	50 mΩ max.					
	Insulation Resistance	50 MΩ min. (at 100 V DC)					
	Dielectric Withstanding Voltage	250 V AC for 1 minute					
	Bouncing	3 ms max. (ON) 8 ms max. (OFF)					
Mechanical	Operating Force	1.0 N±0.5 N 1.6 N±0.5 N	2.6 N±0.6 N 3.5 N±1.0 N				
	Travel	0.25 mm <sup>+0.10</sup> <sub>-0.20</sub> mm					
Endurance	Operating Life	500,000 cycles min.	200,000 cycles min.				
Operating Tem	perature	-20 °C to +70 °C					
Storage Temperature		-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)					
Minimum Quantity/Packing Unit 5,000 pcs. Embossed Taping (Re		d Taping (Reel Pack)					
Quantity/Carton		25,000 pcs.					
Note: Non washable							

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.

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### Dimensions in mm (not to scale)

No. 1	Be careful not to scratch the film	0.45 G	eneral dimension tolerance : ± 0.2 Idimensions are reference dimensions.			
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(Embossed Taping)	6.4					
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NO. 2 EVQPLD/PT5 EVQPLH/PT9 EVQPLM EVQ3PL (Embossed Taping)		Operating part	eneral dimension tolerance : ± 0.2 Idimensions are reference dimensions.			
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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	В	W	F	E	P1	P2	Po	D₀ Dia.	t1	t2
EVQPL EVQ3PL EVQ5PL EVQPT	0.8/1.5	5.0±0.2	5.0±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 <sup>+0.1</sup>	0.35±0.1	1.0/1.7±0.2

#### Recommended Shape of Test Pole



#### Recommended Operating Conditions



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## **Requests to customers**

Please refer to "the latest product specifications" when designing your product. Requests to customers : https://industrial.panasonic.com/ac/e/salespolicies/

# **Safety Precautions**

When using our products, no matter what sort of equipment they might be used for, be sure to confirm the applications and environmental conditions with our specifications in advance.

Please contact .....

## Panasonic Corporation

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