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 ^{+0.10} -0.20 mm					
Endurance	Operating Life	500,000 cycles min.	200,000 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		5,000 pcs. Embossed Taping (Reel Pack)					
Quantity/Carton		25,000 pcs.					

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Dimensions in mm (not to scale)

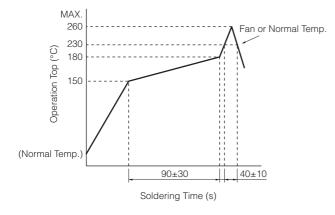
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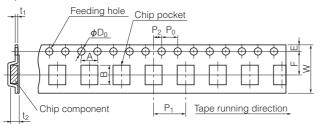
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Recommended Reflow Soldering Conditions



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.

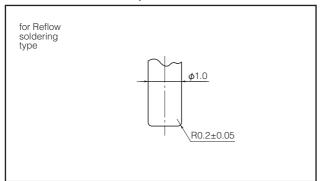
 Peeling off strength of top tape : It should be within 0.2N to 1.0N at 165 degree in peeling off angle.

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

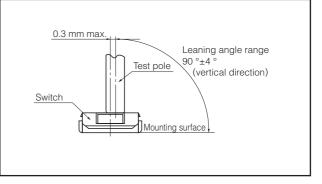
Unit: mm

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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 ^{+0.1}	0.35±0.1	1.0/1.7±0.2

Recommended Shape of Test Pole



Recommended Operating Conditions



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