



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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## 8 mm Square Long Travel SMD Light Touch Switches

Type: **EVQQ1**



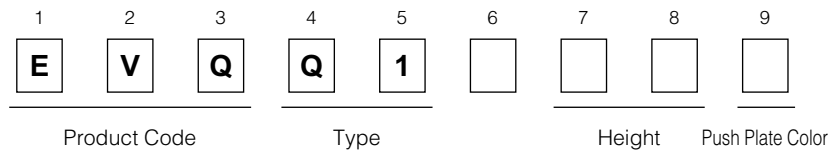
### ■ Features

- External dimensions : 8.5 mm×8.5 mm, Height 6.5 mm (Including the push plate)
- High operating force which prevents incorrect operation
- Reliable contact (dust-proof design)

### ■ Recommended Applications

- Switches for car, air conditioners
- Automotive audio equipment
- Steering switches

### ■ Explanation of Part Numbers



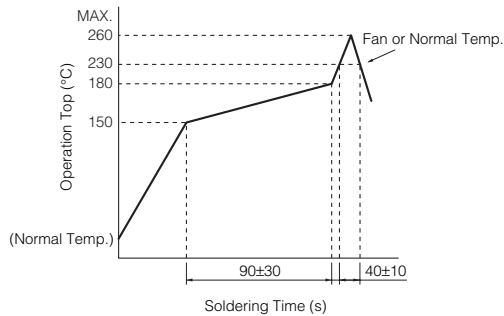
### ■ Specifications

Type	Snap action/Push-on 1-pole 1-throw SPST	
Electrical	Rating	10 $\mu$ A 2 Vdc to 50 mA 12 Vdc (Resistive load)
	Contact Resistance	100 m $\Omega$ max.
	Insulation Resistance	100 M $\Omega$ min. (at 100 Vdc)
	Dielectric Withstanding Voltage	250 Vac for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	4 N, 5 N
	Travel	1.0 mm
Endurance	Operating Life	100000 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		1000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		10000 pcs.

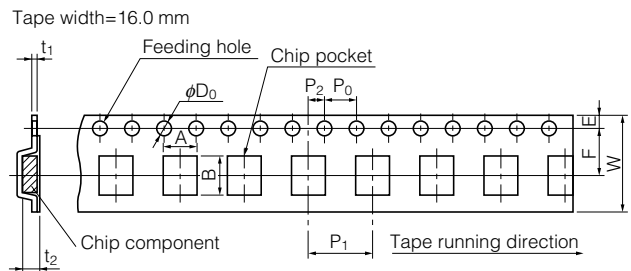
### ■ Dimensions in mm (not to scale)

<b>EVQQ1</b> (Embossed Taping)		
	<p style="text-align: center;">PWB land pattern for reference</p>	
Part Numbers	Operating Force	Push Plate Color
EVQQ1D06M	4.0 N	Natural
EVQQ1E06K	5.0 N	Black

### ■ Recommended Reflow Soldering Conditions



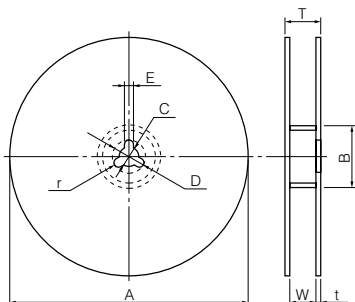
### ● Embossed Carrier Taping



Part No.	Height	A	B	W	F	E	P <sub>1</sub>	P <sub>2</sub>	P <sub>0</sub>	D <sub>0</sub> Dia.	t <sub>1</sub>	t <sub>2</sub>
EVQQ1	6.5	8.9±0.2	10.1±0.2	16.0±0.3	7.5±0.1	1.75±0.10	12.0±0.1	2.0±0.1	4.0±0.1	1.5 <sup>+0.1</sup> <sub>-0</sub>	0.40±0.05	6.8±0.2

Unit: mm

### ● Standard Reel Dimensions in mm (not to scale)



Item	A	B	C	D	E
Rate (mm)	φ380.0±2.0	φ80.0±1.0	φ13.0±0.5	φ21.0±1.0	2.0±0.5

Item	W	T	t	r
Rate (mm)	17.5±0.5	21.5±1.0	1.0 to 3.0	1.0±0.5