



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!



## Contact us

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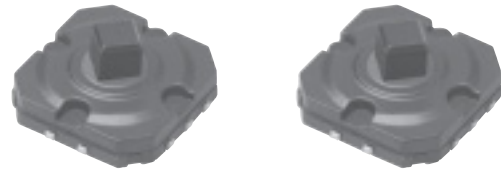


### Multi-direction Operation Switches (Stick type)

Japan

Type: **EVQQ5**

A small and thin five-direction-operating switch developed to contribute to portable devices that are smaller, longer-life and are multi-functional



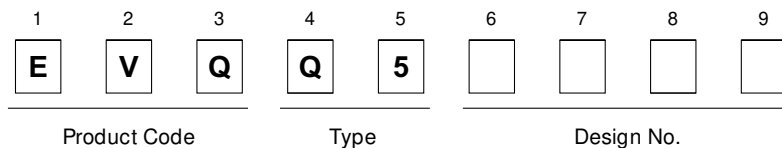
#### ■ Features

- Compact and thin:  
outer dimensions □9.8 mm, height 2.0 mm
- Long life (One million operations in each direction)
- Built-in malfunction protection (toggle operation and push operation are clearly separated from each other)
- Meeting the requirement for high operation force (center: 3.2 N and side: 1.6 N)

#### ■ Recommended Applications

- Input devices of mobile terminals (cellular phones, PDAs, etc.)
- Digital still cameras
- Portable audio equipment

#### ■ Explanation of Part Numbers



#### ■ Specifications

Electrical	Rating	20 mA 15 Vdc	
	Contact Resistance	100 mΩ max.	
	Insulation Resistance	100 MΩ min.	
	Dielectric Withstanding Voltage	250 Vac min.	
	Bouncing	Push	10 ms max.
Leaning		20 ms max.	
Mechanical	Operating Force	Push	3.2 N*
		Leaning	1.6 N*
	Travel	0.2 mm±0.1 mm	
	Leaning operation angle	3 ° ± 2 °	
Endurance	Operating Life	1000000 cycles min.	
	Temperature Range	-40 °C to +85 °C	
Minimum Quantity/Packing Unit		1200 pcs. Embossed Taping (Reel Pack)	
Quantity / Carton		6000 pcs.	

\* Operation force: Meets respective requirement

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

