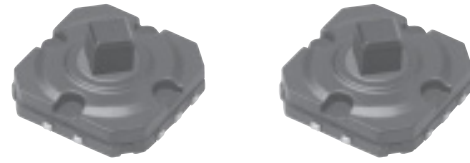


### Multi-direction Operation Switches (Stick type)

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



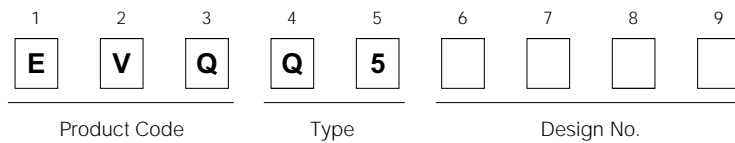
#### ■ Features

- 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

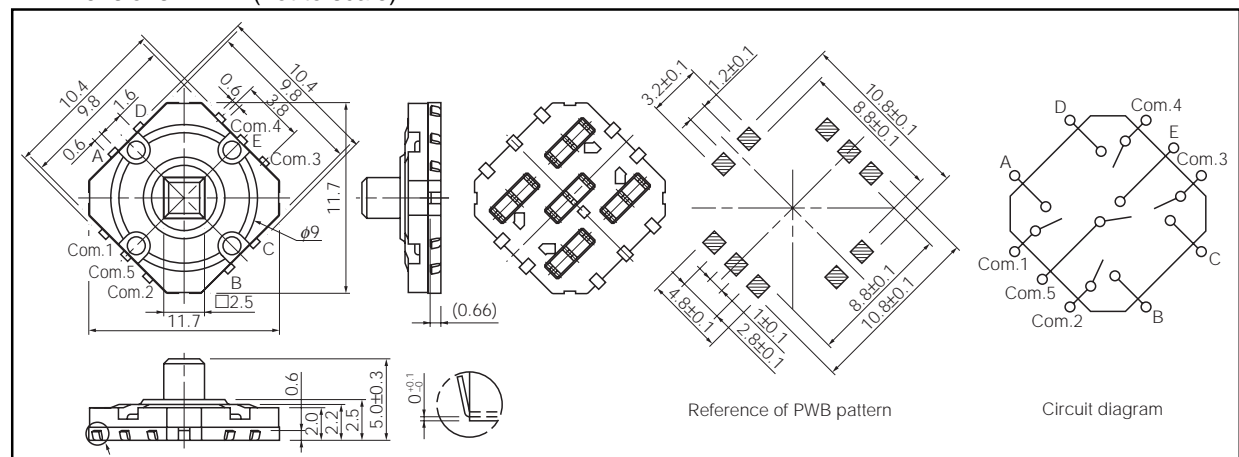


#### ■ Specifications

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)



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.

Jun. 2006