



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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Multi-direction Operation Switches

Japan

Type: **EVQQ3**

Miniaturized, five-direction operated, push switch, designed for multi-function and long life requirements of mobile terminals



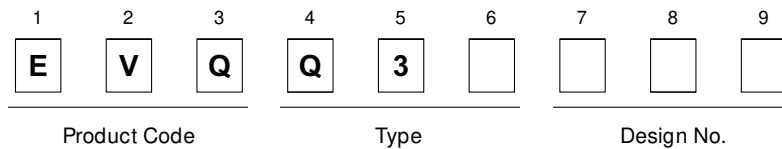
■ Features

- Compact and thin (outer dimensions 9.8 mm, height 1.55 mm)
- Long life (One million operations in each direction)
- Built-in malfunction protection
- High operation force (center: 3.2 N and side: 1.6 N)

■ Recommended Applications

- Input devices of mobile terminals (cellular phones, PDAs, etc.)
- Input devices for AV equipment (portable MD players, DSCs, etc.)

■ 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 | | 10 ms max. |
| Mechanical | Operating Force | Center | 1.6 N, 2.0 N, 3.2 N* |
| | | Side | 1.6 N |
| | Travel | | 0.25 mm |
| Endurance | Operating Life | Center | 1000000 cycles min. |
| | | Side | 1000000 cycles min. |
| | Operation Temperature | | -40 °C to +85 °C |
| Minimum Quantity/Packing Unit | | 4000 pcs. Embossed Taping (Reel Pack) | |
| Quantity / Carton | | 20000 pcs. | |

* Operation force: Meets respective requirement

■ Dimensions in mm (not to scale)

