6 mm Square Long Travel SMD Light Touch Switches

Type: EVQP0/EVQP1/EVQ9P



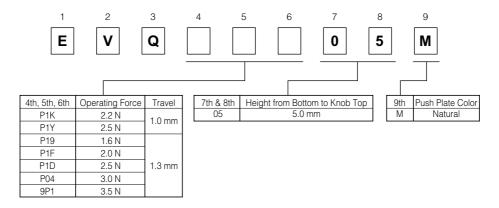
■ Features

- External dimensions: 6.0 mm×6.1 mm, Height 5.0 mm (Including the push plate)
- Steady and low contact resistance (100 m Ω max.)
- Excellent solderability (J-bent-type terminals)

■ Recommended Applications

Car electronics equipment

■ Explanation of Part Numbers



Specifications

Туре		Snap action/Push-on type SPST				
Electrical	Rating	10 μA 2 Vdc to 50 mA 12 Vdc (Resistive load)				
	Contact Resistance	100 mΩ max.				
	Insulation Resistance	100 M Ω min. (at 100 Vdc)				
	Dielectric Withstanding Voltage	250 Vac for 1 minute				
	Bouncing	10 ms max. (ON, OFF)				
Mechanical	Operating Force	1.6 N±0.5 N, 2.0 N±0.6 N 2.5 N±0.6 N 3.0 N±0.8 N 3.5 N±1.0 N	2.2 N±0.6 N 2.5 N±0.6 N			
	Travel	1.3 mm±0.2 mm	1.0 mm±0.2 mm			
Endurance	Operating Life	3.5 N type: 30000 cycles min. 1.6 N, 2.0 N, 2.2 N, 2.5 N, 3.0 N types: 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		2000 pcs. Embossed Taping (Reel Pack)				
Quantity/Carton		10000 pcs.				

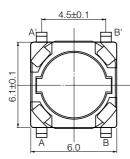
■ Dimensions in mm (not to scale)

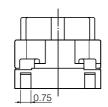
EVQP0

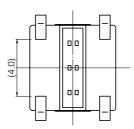
EVQP1

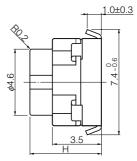
EVQ9P

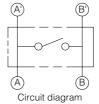
(Embossed Taping)

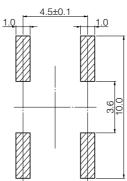












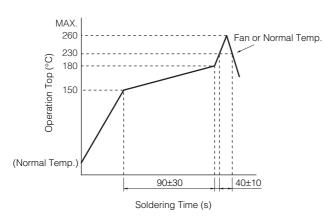
PWB land pattern for reference

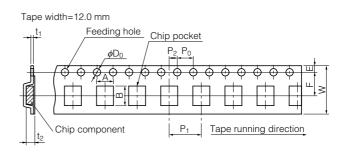
Part Numbers	Operating Force	Travel	H=Height	Push Plate Color	Operating Life
EVQP1K05M	2.2 N	1.0 mm	5.0 mm	Natural	100000 cycles
EVQP1Y05M	2.5 N	1.0 mm	5.0 mm	Natural	100000 cycles
EVQP1905M	1.6 N	1.3 mm	5.0 mm	Natural	100000 cycles
EVQP1F05M	2.0 N	1.3 mm	5.0 mm	Natural	100000 cycles
EVQP1D05M	2.5 N	1.3 mm	5.0 mm	Natural	100000 cycles
EVQP0405M	3.0 N	1.3 mm	5.0 mm	Natural	100000 cycles
EVQ9P105M	3.5 N	1.3 mm	5.0 mm	Natural	30000 cycles

Panasonic

■Recommended Reflow Soldering Conditions

Embossed Carrier Taping

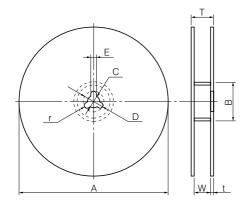




Unit: mm

Part No.	Height	А	В	W	F	Е	P ₁	P ₂	P ₀	D₀ Dia.	t ₁	t ₂
EVQP0 EVQP1 EVQ9P	5.0	6.4±0.2	7.9±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	0.4±0.1	5.25±0.20

Standard Reel Dimensions in mm (not to scale)



Item	А	В	С	D	Е
Rate (mm)	φ370.0±2.0	φ50.0 min.	φ13.0±0.5	φ21.0±1.0	2.0±0.5
Item	W	Т	t	r	
Pata (mm)	14.0+1.5		1 0 to 3 0	10+05	