

6.0 mm×3.5 mm SMD Light Touch Switches

Type: **EVQPE1/EVQPN/EVQ5P**



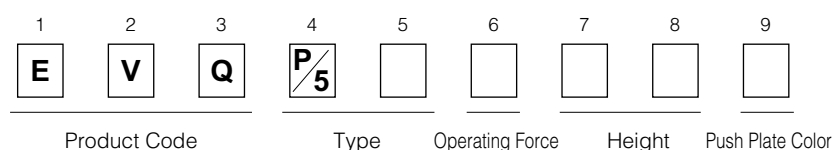
■ Features

- External dimensions : 6.0 mm×3.5 mm, Height 4.3 mm, 5.0 mm

■ Recommended Applications

- Operating switches for other electronic equipment

■ Explanation of Part Numbers



■ Product Chart

Operating Force \ Type	SMD	Height
1.0 N±0.5 N	EVQPE1	H=4.3 mm H=5.0 mm
1.6 N±0.5 N	EVQPNF	
2.4 N±0.6 N	EVQ5PN	

■ Specifications

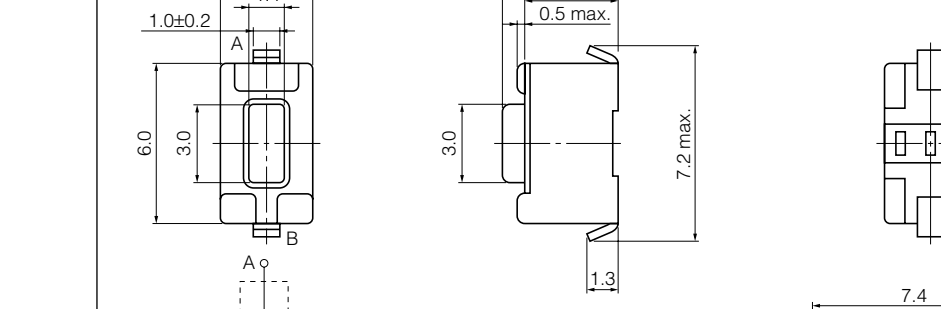
Type	Snap action/Push-on type SPST		
Electrical	Circuit Diagram		
	Rating	10 μ A 2 Vdc to 50 mA 12 Vdc (Resistive load)	
	Contact Resistance	100 m Ω max.	
	Insulation Resistance	100 M Ω min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	10 ms max. (ON, OFF)	
Mechanical	Operating Force	1.0 N±0.5N (Low force type) 1.6 N±0.5 N (Standard)	2.4 N±0.6 N
	Travel	0.25 mm ^{+0.20} / _{-0.10} mm	
Endurance	Operating Life	50000 cycles min.	30000 cycles min.
Operating Temperature		-30 °C to +85 °C	
Storage Temperature		-40 °C to +85 °C (Bulk) -20 °C to +40 °C (Taping)	
Minimum Quantity/Packing Unit		2000 pcs. Embossed Taping(Reel Pack) (H = 5.0 mm)	2500 pcs. Embossed Taping(Reel Pack) (H = 4.3 mm)
Quantity/Carton		10000 pcs. (H = 5.0 mm)	12500 pcs. (H = 4.3 mm)

■ Dimensions in mm (not to scale)

EVQPE1
EVQPNF
EVQ5PN

(Embossed Taping)

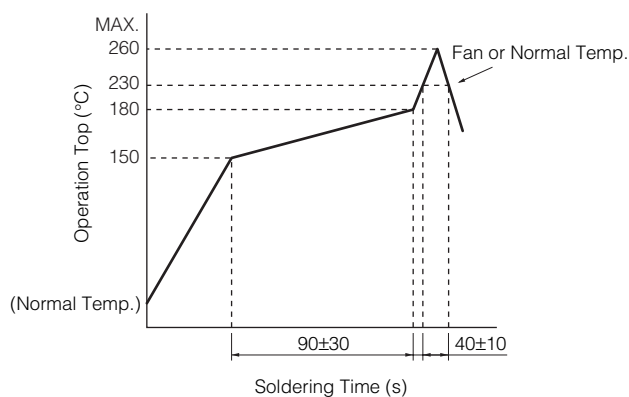




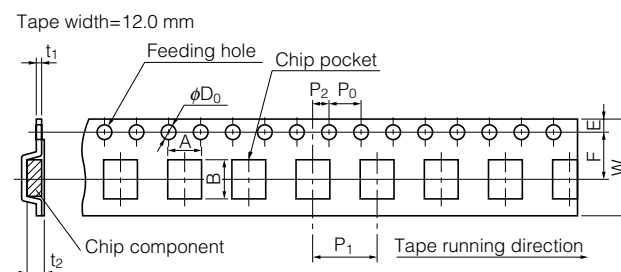
Circuit diagram

PWB land pattern for reference

■ Recommended Reflow Soldering Conditions

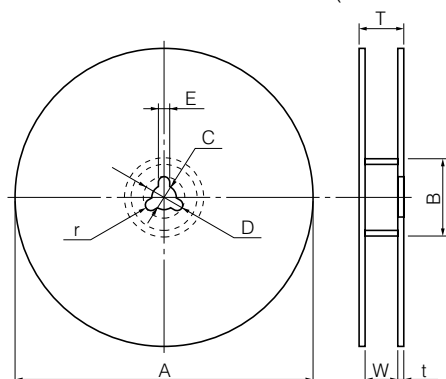


- Embossed Carrier Taping



Soldering time (s)											Unit: mm	
Part No.	Height	A	B	W	F	E	P ₁	P ₂	P ₀	D ₀ Dia.	t ₁	t ₂
EVQPE1	4.3/5.0	4.45±0.20	7.25±0.20	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	0.30±0.05	4.5/5.2±0.2
EVQPN												
EVQ5P												

● Standard Reel Dimensions in mm (not to scale)



Item	A	B	C	D	E
Rate (mm)	$\phi 370.0 \pm 2.0$	$\phi 50.0$ min.	$\phi 13.0 \pm 0.5$	$\phi 21.0 \pm 1.0$	2.0 ± 0.5
Item	W	T	t	r	
Rate (mm)	14.0 ± 1.5	—	1.0 to 3.0	1.0 ± 0.5	