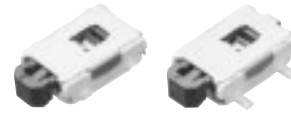


6.1 mm×4.0 mm Side-operational SMD

Light Touch Switches

Type: **EVQPS**



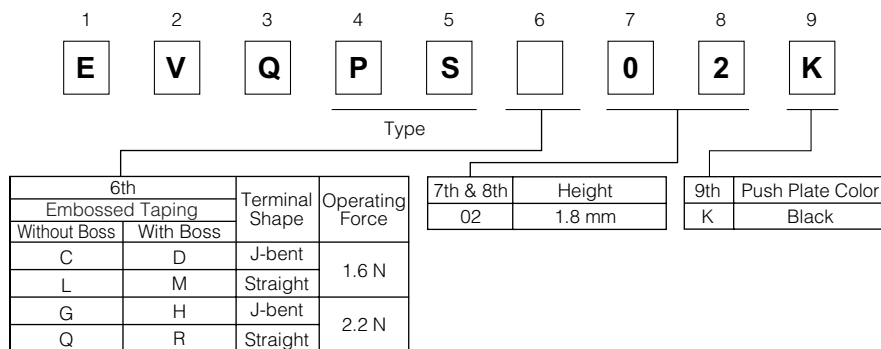
■ Features

- External dimensions : 6.1 mm×4.0 mm, Height 1.8 mm
- Terminal shapes : straight, J-bent

■ Recommended Applications

- Car navigation, Car audio

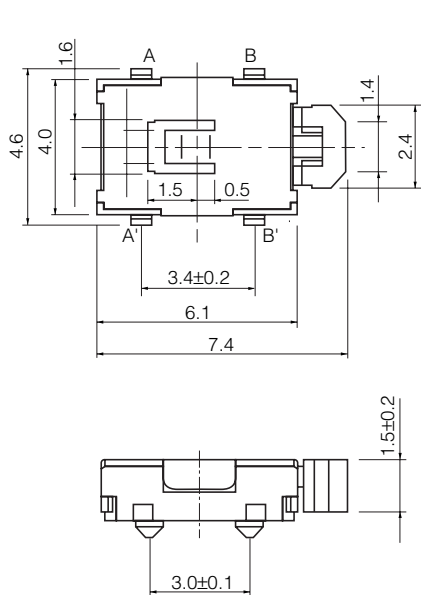
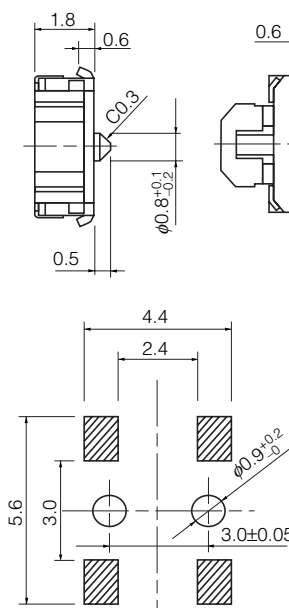
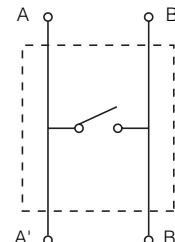
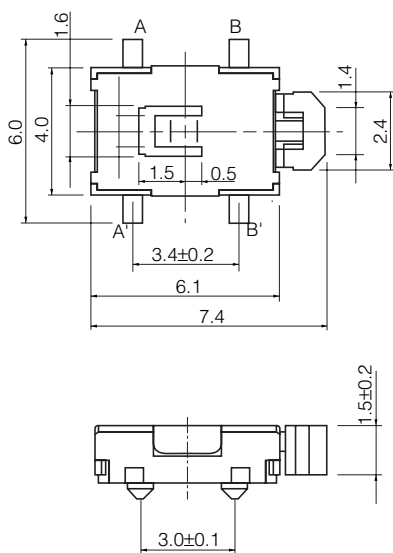
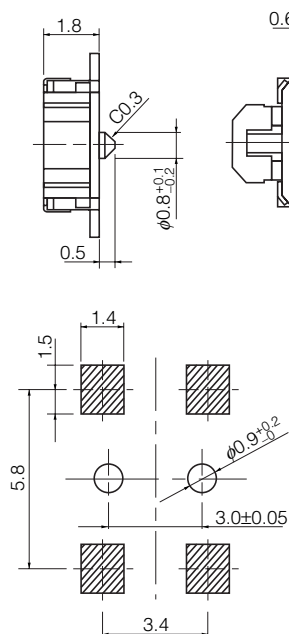
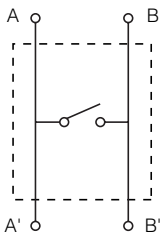
■ Explanation of Part Numbers



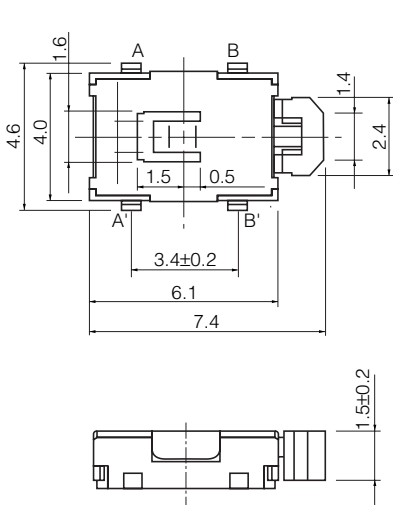
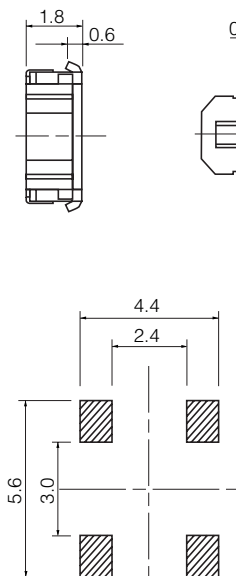
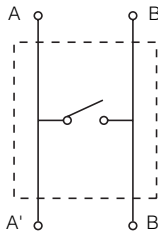
■ Specifications

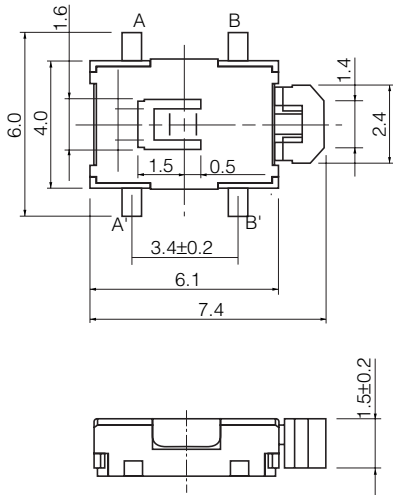
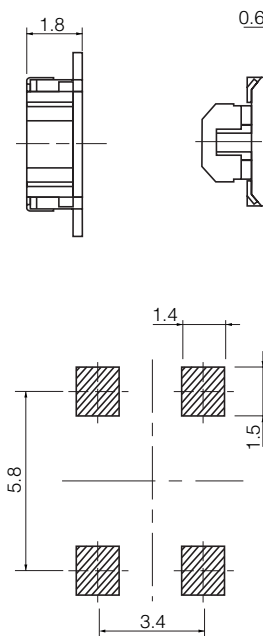
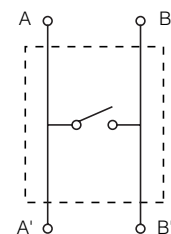
Type	Snap action / Push-on type SPST	
Electrical	Rating	10 μ A 2 Vdc to 50 mA 12 Vdc (Resistiv load)
	Contact Resistance	500 m Ω max.
	Insulation Resistance	100 M Ω min. (at 100 Vdc)
	Dielectric Withstanding Voltage	250 Vac for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	1.6 N ^{+0.7} _{-0.4} N 2.2 N ^{+0.8} _{-0.7} N
	Travel	0.3 mm ^{+0.1} _{-0.2} mm
	Push Strength	30 N for 1 minute
Endurance	Operating Life	100000 cycles min.
Operating Temperature		-20 °C to +70 °C
Storage Temperature		-40 °C to +85 °C (Bulk)
		-20 °C to +60 °C (Taping)
Minimum Quantity/Packing Unit		4000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		16000 pcs.

■ Dimensions in mm (not to scale)

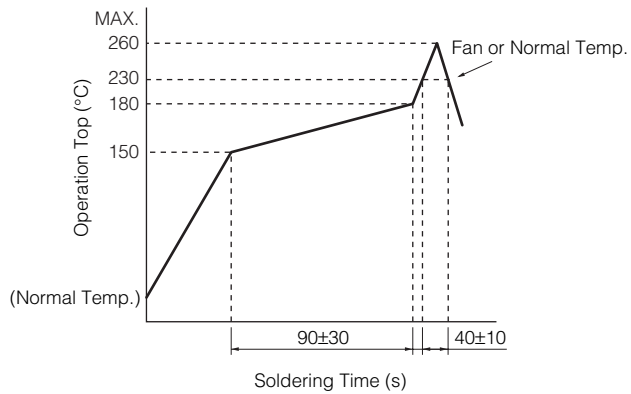
No. 1 EVQPSD EVQPSH J-bent terminals, with Boss 	   PWB land pattern for reference (Tolerance:±0.1) Circuit Diagram			
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPSD02K	1.6 N	1.8 mm	Black	100000 cycles
EVQPSH02K	2.2 N	1.8 mm	Black	100000 cycles
No. 2 EVQPSM EVQPSR Straight terminals, with Boss 	   PWB land pattern for reference (Tolerance:±0.1) Circuit Diagram			
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPSM02K	1.6 N	1.8 mm	Black	100000 cycles
EVQPSR02K	2.2 N	1.8 mm	Black	100000 cycles

■ Dimensions in mm (not to scale)

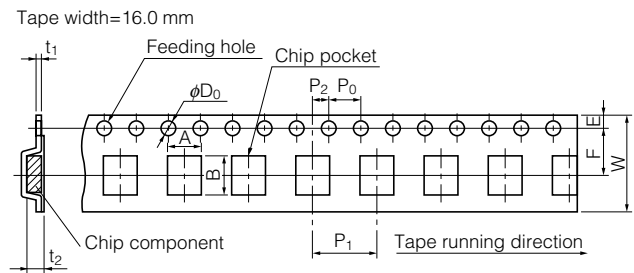
No. 3 EVQPSC EVQPSG J-bent terminals, without Boss 		  PWB land pattern for reference (Tolerance:±0.1)  Circuit Diagram			
Part Numbers		Operating Force	Height	Push Plate Color	Operating Life
EVQPSC02K		1.6 N	1.8 mm	Black	100000 cycles
EVQPSG02K		2.2 N	1.8 mm	Black	100000 cycles

No. 4 EVQPSL EVQPSQ Straight terminals, without Boss 		  PWB land pattern for reference (Tolerance:±0.1)  Circuit Diagram			
Part Numbers		Operating Force	Height	Push Plate Color	Operating Life
EVQPSL02K		1.6 N	1.8 mm	Black	100000 cycles
EVQPSQ02K		2.2 N	1.8 mm	Black	100000 cycles

■ Recommended Reflow Soldering Conditions



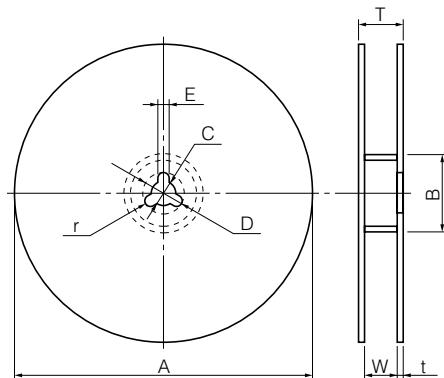
● Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P ₁	P ₂	P ₀	D ₀ Dia.	t ₁	t ₂
EVQPS	1.8	6.8±0.2	8.0±0.2	16.0±0.3	7.5±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	2.7±0.2

● Standard Reel Dimensions in mm (not to scale)



Item	A	B	C	D	E
Rate (mm)	φ370.0±2.0	φ50.0 min.	φ13.0±0.5	φ21.0±1.0	2.0±0.5

Item	W	T	t	r
Rate (mm)	18.0±1.5	—	1.0 to 3.0	1.0±0.5