

6.1 mm×4.0 mm Side-operational SMD
Light Touch Switches

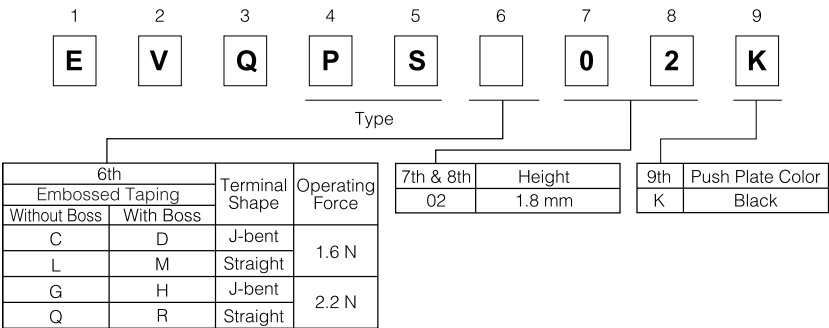
Type: EVQPS



- 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

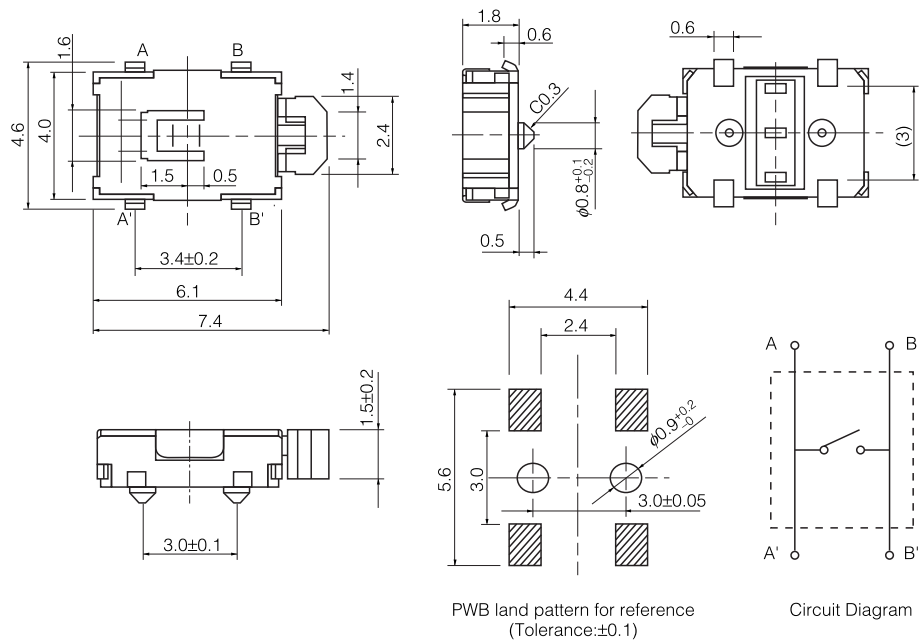
Type		Snap action / Push-on type SPST	
Electrical	Rating	10 μA 2 Vdc to 50 mA 12 Vdc (Resistiv load)	
	Contact Resistance	500 mΩ max.	
	Insulation Resistance	100 MΩ min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	10 ms max. (ON, OFF)	
Mechanical	Operating Force	1.6 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.	

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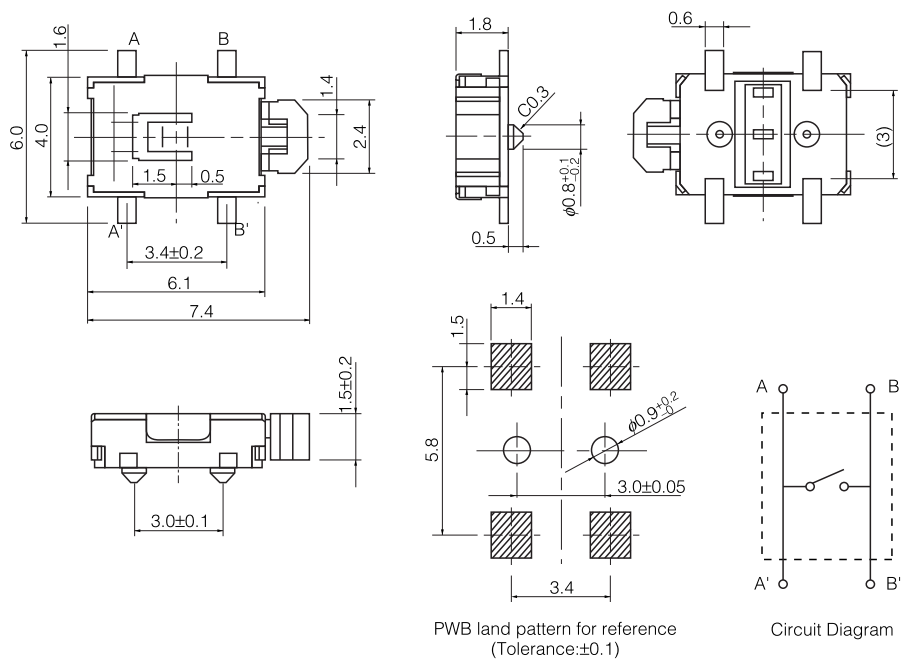
No. 1

J-bent terminals,
with Boss



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

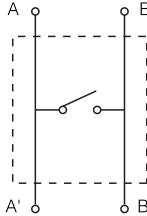
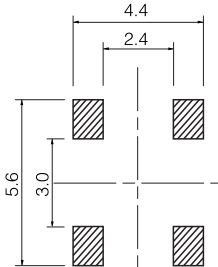
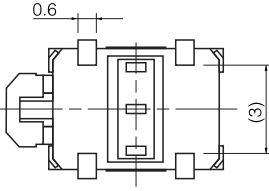
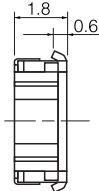
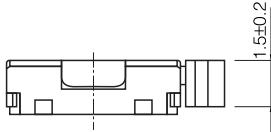
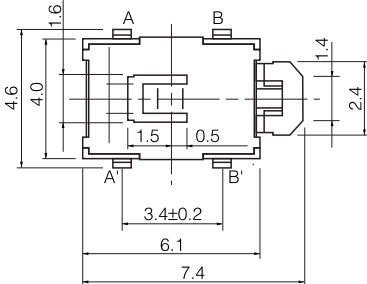
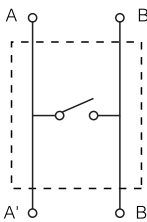
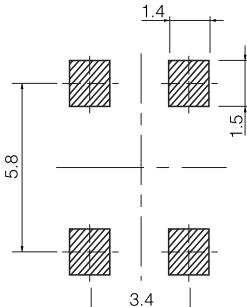
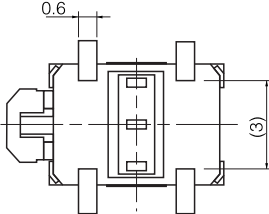
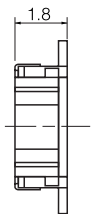
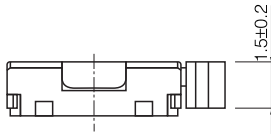
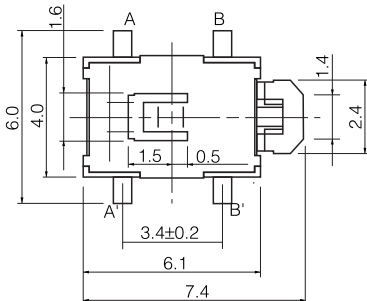
Straight terminals,
with Boss



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

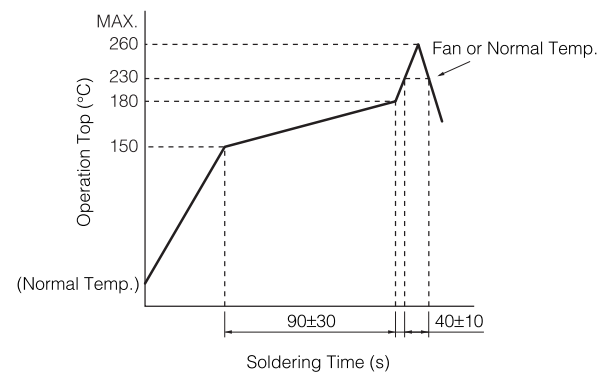
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■ Dimensions in mm (not to scale)

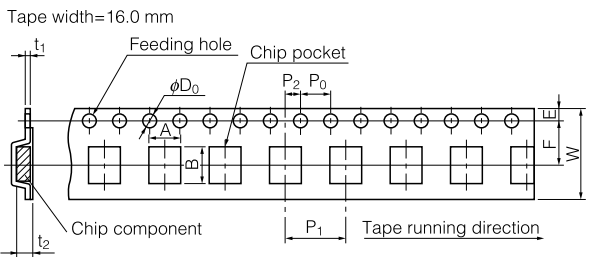
No. 3 EVQPSC EVQPSG J-bent terminals, without Boss 					 PWB land pattern for reference (Tolerance:±0.1) Circuit Diagram				
Part Numbers		Operating Force		Height		Push Plate Color		Operating Life	
EVQPSC02K		1.6 N		1.8 mm		Black		100000 cycles	
EVQPSG02K		2.2 N		1.8 mm		Black		100000 cycles	
No. 4 EVQPSL 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	

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■ Recommended Reflow Soldering Conditions



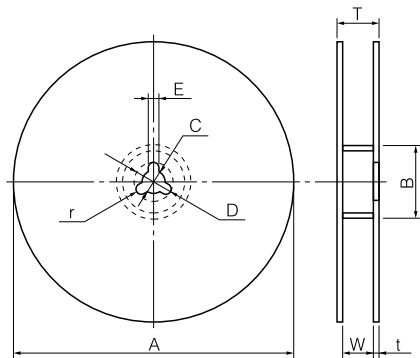
● Embossed Carrier Taping



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)	$\phi 370.0 \pm 2.0$	$\phi 50.0$ min.	$\phi 13.0 \pm 0.5$	$\phi 21.0 \pm 1.0$	2.0 ± 0.5

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