

6.0 mm×3.5 mm Square Thin type Light Touch Switches for Reflow Soldering

Japan

Type: **EVQPP**

6.0 mm×3.5 mm size, narrow width type



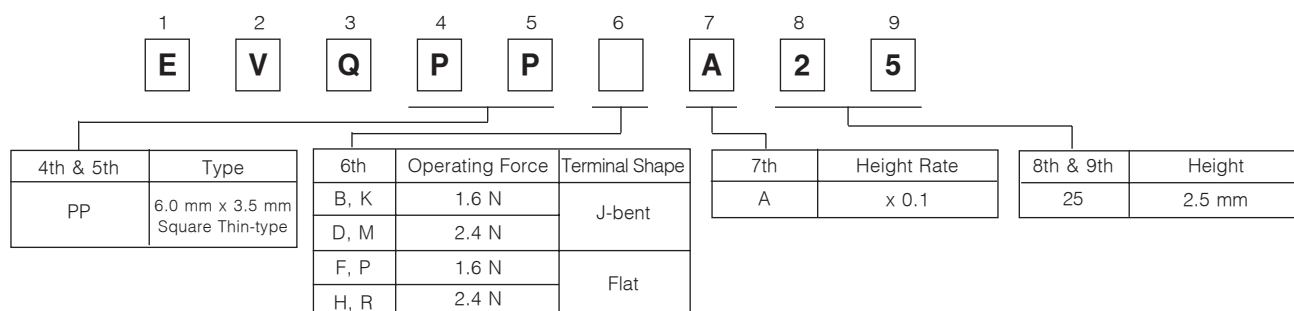
■ Features

- 6.0 mm×3.5 mm square thin type: 2.5 mm in height
- Excellent clear click feeling due to tactile feedback characteristics
- Reflow soldering available
- Dustproof structure

■ Recommended Applications

- Operating signal input switches for Portable CD Players, MD Players, Communications Equipment

■ Explanation of Part Numbers



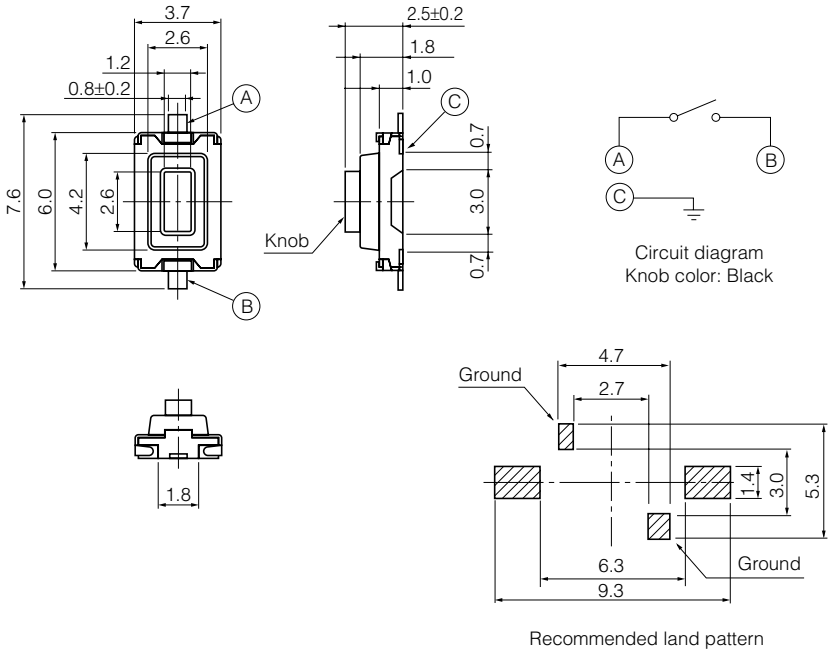
■ Major Specifications

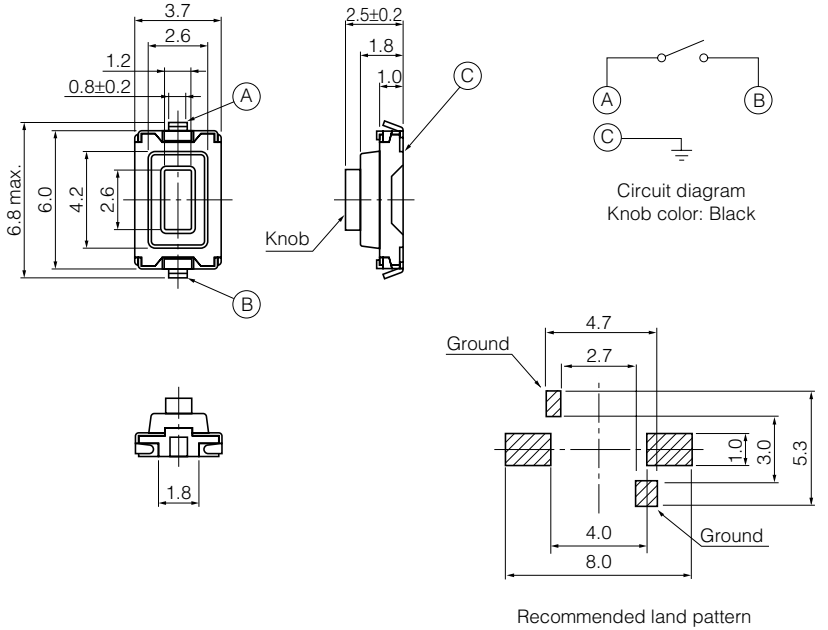
Type	Snap action / Push-on type SPST	
Electrical	Rating	50 mA 12 Vdc
	Contact Resistance	100 mΩ max.
	Insulation Resistance	100 MΩ min. (at 100 Vdc)
	Dielectric Withstanding Voltage	250 Vac for 1 minute
	Bouncing	10 ms max.
Mechanical	Operating Force	1.6 N±0.5 N/2.4 N±0.6 N
	Travel	0.25 mm ^{+0.2} _{-0.1} mm
	Push Strength	30 N (Vertically, 1 minute)
Endurance	Operating Life	1.6 N: 50000 cycles min. 2.4 N: 30000 cycles min.
	Operating Temperature	-30 °C to +85 °C
	Storage Temperature	-40 °C to +85 °C (Bulk) -20 °C to +40 °C (Embossed Taping)
Minimum Quantity/Packing Unit		4000 pcs. (Reel Pack)
Quantity/Carton		20000 pcs.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

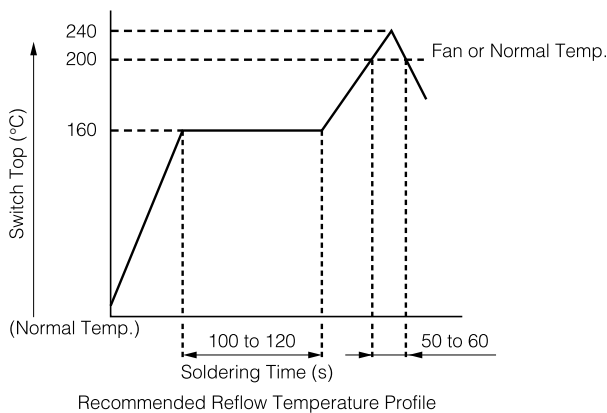
■ Dimensions in mm (not to scale)

No. 1 Japan EVQPPF EVQPPH (Embossed Taping) With straight terminals Without ground terminals	Circuit diagram Knob color: Black Recommended land pattern
Part Numbers EVQPPFA25 EVQPPHA25	Operating Force 1.6 N 2.4 N Height 2.5 mm 2.5 mm Knob Color Black White Operating Life 50000 cycles 30000 cycles
No. 2 Japan EVQPPB EVQPPD (Embossed Taping) With J-bent terminals Without ground terminals	Circuit diagram Knob color: Black Recommended land pattern
Part Numbers EVQPPBA25 EVQPPDA25	Operating Force 1.6 N 2.4 N Height 2.5 mm 2.5 mm Knob Color Black white Operating Life 50000 cycles 30000 cycles

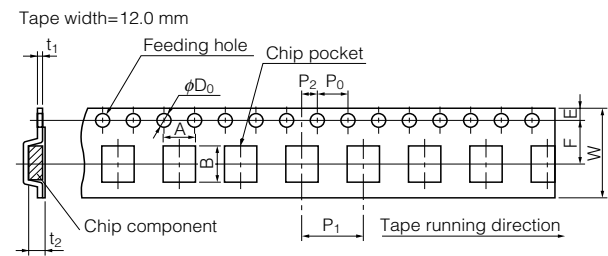
No. 3				
Japan EVQPPP EVQPPR (Embossed Taping) With straight terminals With ground terminals 				
Part Numbers	Operating Force	Height	Knob Color	Operating Life
EVQPPPA25	1.6 N	2.5 mm	Black	50000 cycles
EVQPPRA25	2.4 N	2.5 mm	White	30000 cycles

No. 4				
Japan EVQPPK EVQPPM (Embossed Taping) With J-bent terminals With ground terminals 				
Part Numbers	Operating Force	Height	Knob Color	Operating Life
EVQPPKA25	1.6 N	2.5 mm	Black	50000 cycles
EVQPPMA25	2.4 N	2.5 mm	White	30000 cycles

■ Recommended Reflow Soldering Conditions



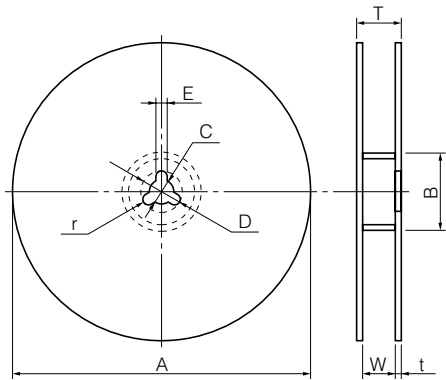
● Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P ₁	P ₂	P ₀	D ₀ Dia.	t ₁	t ₂
EVQPP	2.5	4.45±0.20	8.3 max.	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	2.55±0.20

● 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)	14.0±1.5	—	1.0 to 3.0	1.0±0.5