

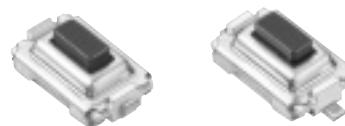
6.0 mm×3.5 mm Square Thin type

Japan

Light Touch Switches

for Reflow Soldering

Type: **EVQPP**



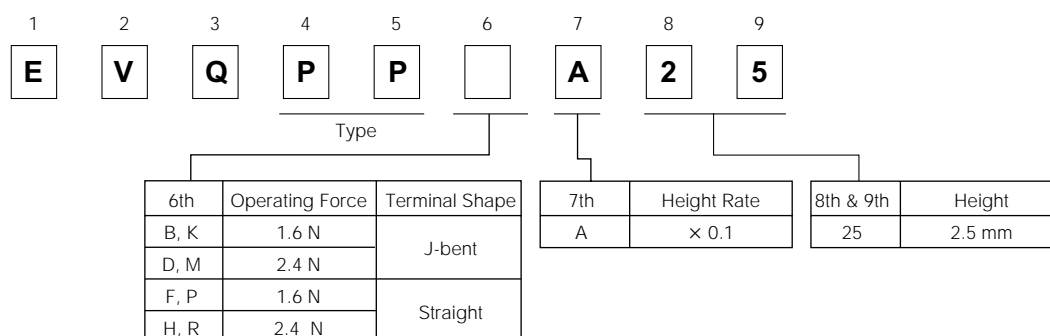
■ Features

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

■ Recommended Applications

- Operating signal input switches for portable CD players, MD players, and communications equipment


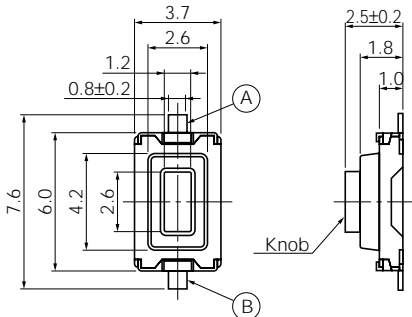
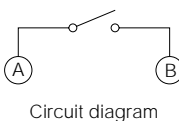
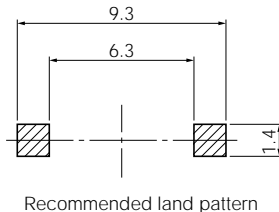
■ Explanation of Part Numbers


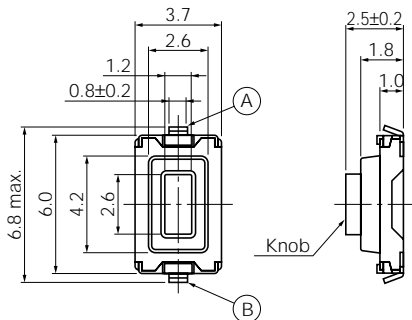
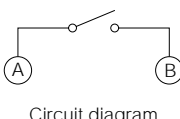
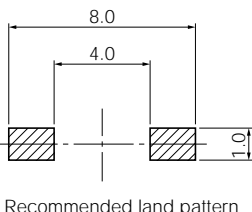


■ Specifications


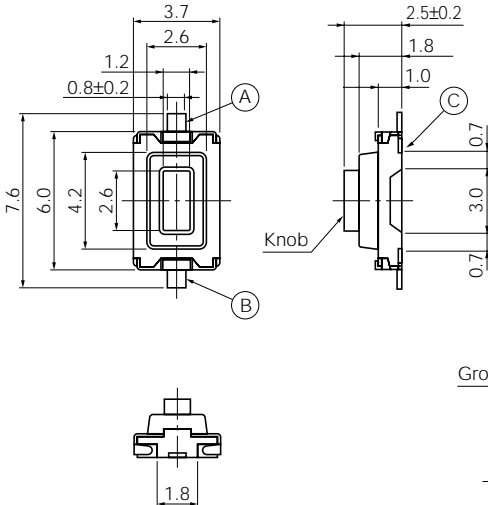
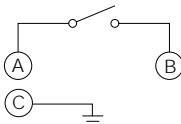
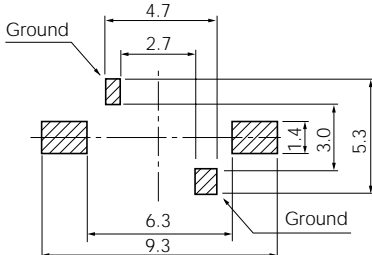

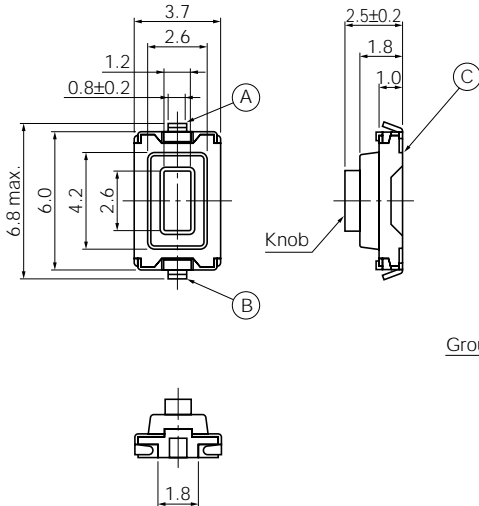
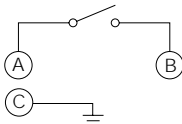
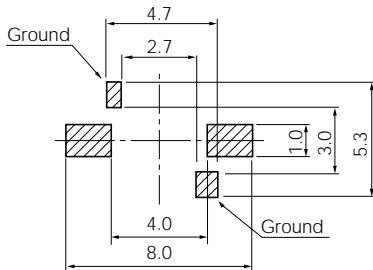
Type		Snap action / Push-on type SPST	
Electrical	Rating	50 mA 12 Vdc max. (Resistive load)	
	Contact Resistance	100 mΩ max.	
	Insulation Resistance	100 MΩ min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	10 ms max. (ON, OFF)	
Mechanical	Operating Force	1.6 N±0.5 N	2.4 N±0.6 N
	Travel	0.25 mm ^{+0.2} _{-0.1} mm	
Endurance	Operating Life	50000 cycles min.	30000 cycles min.
	Operating Temperature	-40 °C to +85 °C (45 % to 85 % RH)	
	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/Cartron		20000 pcs.	

■ Dimensions in mm (not to scale)

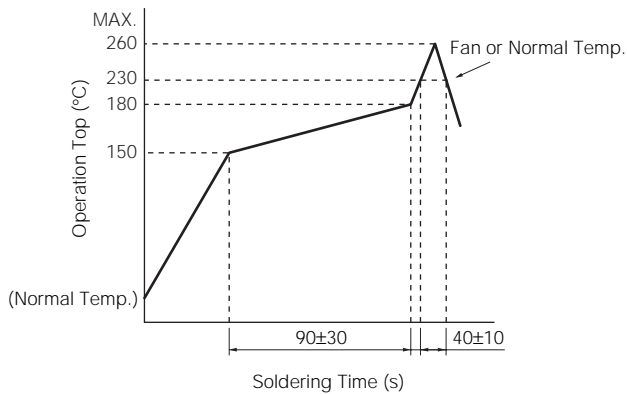
<div>No. 1</div> <div>EVQPPF EVQPPH</div> <div>(Embossed Taping)</div> <div>With straight terminals Without ground terminal</div> <div></div>		<div></div> <div></div> <div></div>		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPPFA25	1.6 N	2.5 mm	Black	50000 cycles
EVQPPHA25	2.4 N	2.5 mm	White	30000 cycles

<div>No. 2</div> <div>EVQPPB EVQPPD</div> <div>(Embossed Taping)</div> <div>With J-bent terminals Without ground terminal</div> <div></div>		<div></div> <div></div> <div></div>		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPPBA25	1.6 N	2.5 mm	Black	50000 cycles
EVQPPDA25	2.4 N	2.5 mm	White	30000 cycles

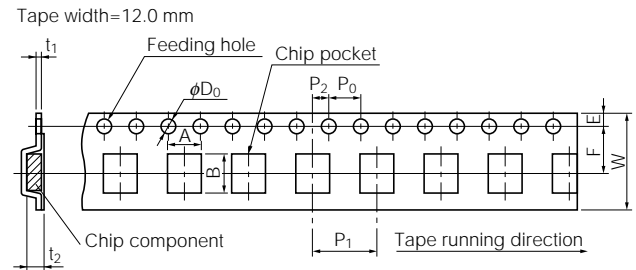
■ Dimensions in mm (not to scale)

<div>No. 3</div>					
<div>EVQPPP</div> <div>EVQPPR</div> <div>(Embossed Taping)</div> <div>With straight terminals</div> <div>With ground terminal</div> <div></div>		<div></div> <div></div> <div>Circuit diagram</div> <div></div> <div>Recommended land pattern</div>			
Part Numbers		Operating Force	Height	Push Plate Color	Operating Life
EVQPPPA25		1.6 N	2.5 mm	Black	50000 cycles
EVQPPRA25		2.4 N	2.5 mm	White	30000 cycles
<div>No. 4</div>					
<div>EVQPPK</div> <div>EVQPPM</div> <div>(Embossed Taping)</div> <div>With J-bent terminals</div> <div>With ground terminal</div> <div></div>		<div></div> <div></div> <div>Circuit diagram</div> <div></div> <div>Recommended land pattern</div>			
Part Numbers		Operating Force	Height	Push Plate 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



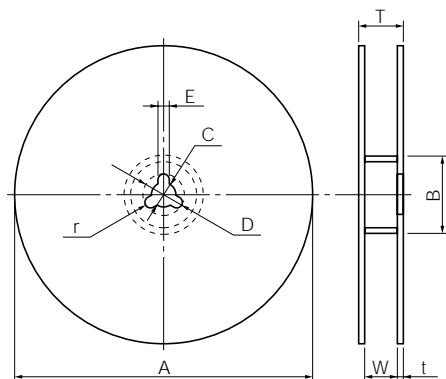
● Embossed Carrier Taping



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)	$\phi 370.0 \pm 2.0$	$\phi 50.0$ 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