

6.0 mm×3.5 mm Square Thin type

Japan

Light Touch Switches

for Reflow Soldering

Type: **EVQPP**



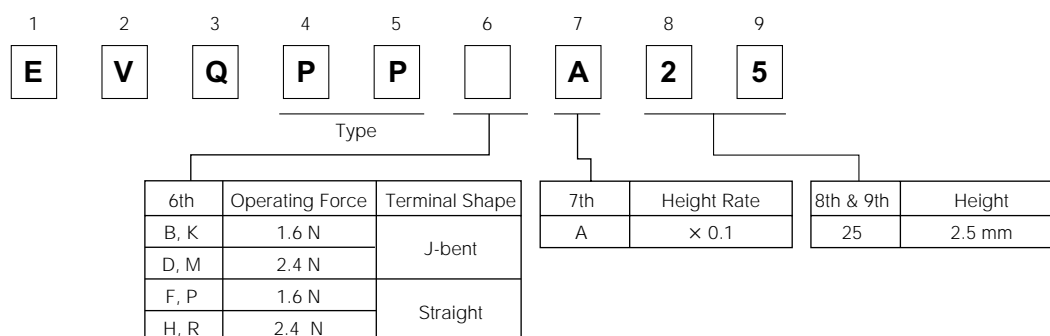
### ■ Features

- 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


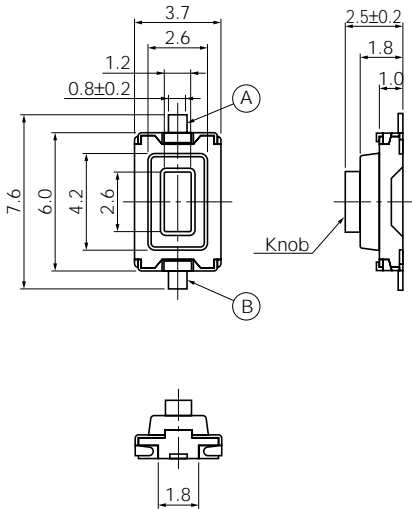
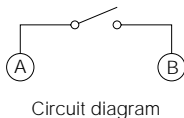
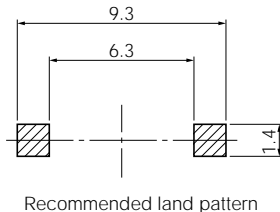
### ■ Explanation of Part Numbers


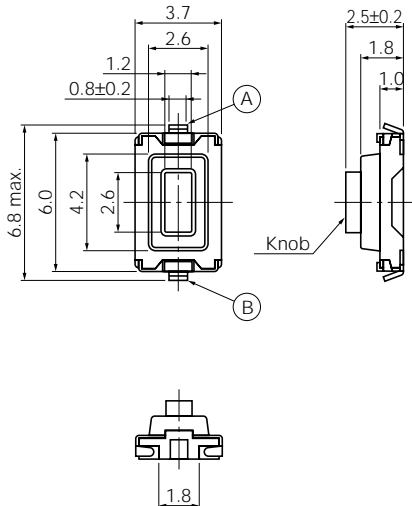
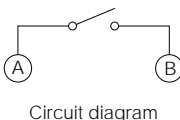
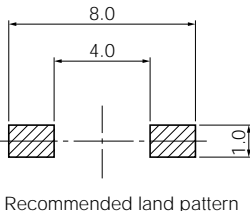


### ■ Specifications


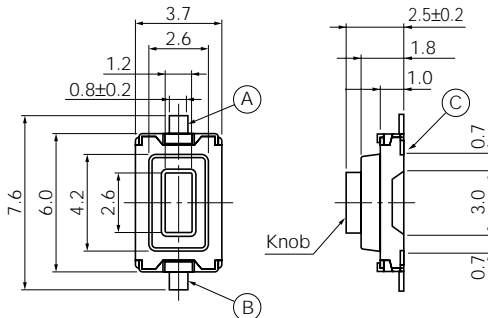
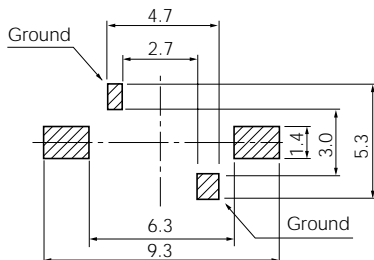
Type		Snap action / Push-on type SPST	
Electrical	Rating	50 mA 12 Vdc max. (Resistive load)	
	Contact Resistance	100 mΩ max.	
	Insulation Resistance	100 MΩ min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	10 ms max. (ON, OFF)	
Mechanical	Operating Force	1.6 N±0.5 N	2.4 N±0.6 N
	Travel	0.25 mm <sup>+0.2</sup> <sub>-0.1</sub> 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/Carton		20000 pcs.	


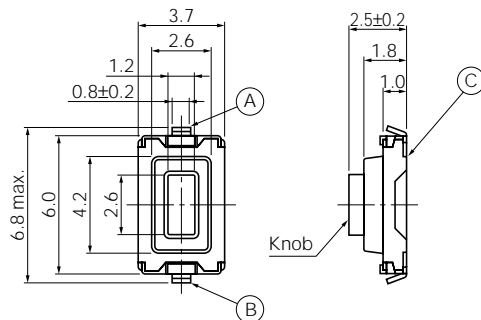
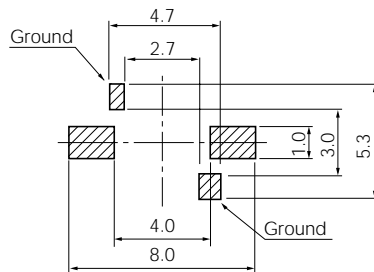
## ■ Dimensions in mm (not to scale)

<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

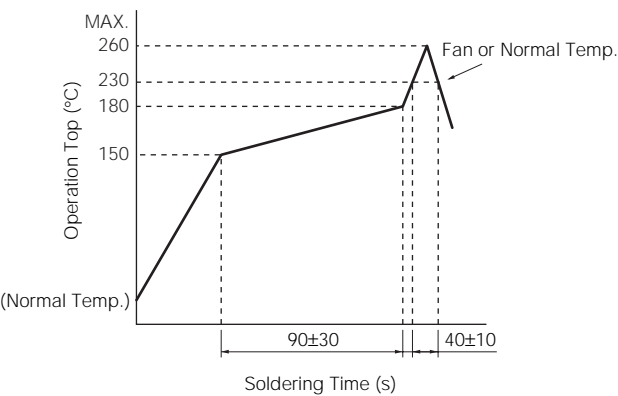
<div>No. 2</div> <div>EVQPPB EVQPPD</div> <div>(Embossed Taping)</div> <div>With J-bent terminals Without ground terminal</div> <div></div>		<div></div> <div></div> <div></div>			
Part Numbers		Operating Force	Height	Push Plate Color	Operating Life
EVQPPBA25		1.6 N	2.5 mm	Black	50000 cycles
EVQPPDA25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

### ■ Dimensions in mm (not to scale)

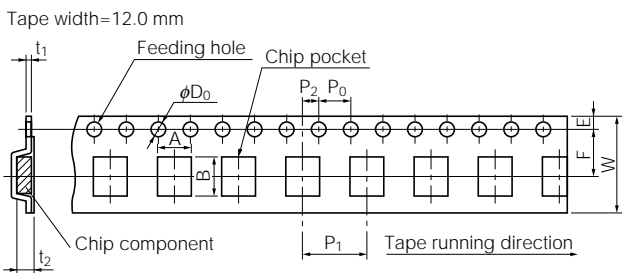
<div>No. 3</div> <div>EVQPPP EVQPPR</div> <div>(Embossed Taping)</div> <div>With straight terminals With ground terminal</div> <div></div>		<div></div> <div></div> <div>Recommended land pattern</div>		
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVQPPPA25	1.6 N	2.5 mm	Black	50000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

<div>No. 4</div> <div>EVQPPK EVQPPM</div> <div>(Embossed Taping)</div> <div>With J-bent terminals With ground terminal</div> <div></div>		<div></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

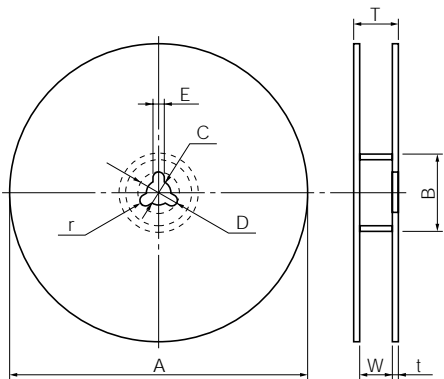


Embossed Carrier Taping



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	$4.45 \pm 0.20$	8.3 max.	$12.0 \pm 0.3$	$5.5 \pm 0.1$	$1.75 \pm 0.10$	$8.0 \pm 0.1$	$2.0 \pm 0.1$	$4.0 \pm 0.1$	$1.5^{+0.1}_{-0}$	$0.30 \pm 0.05$	$2.55 \pm 0.20$

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.	$\phi 13.0 \pm 0.5$	$\phi 21.0 \pm 1.0$	$2.0 \pm 0.5$

Item	W	T	t	r
Rate (mm)	$14.0 \pm 1.5$	—	1.0 to 3.0	$1.0 \pm 0.5$