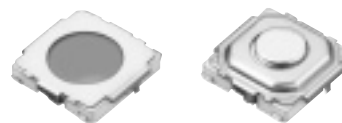


Super Thin Surface Mount Light Touch Switches for Reflow Soldering

Japan

Type: **EVQPL**



Miniaturized, surface-mount type with a push plate

■ Features

- Super thin and small-sized:
Height: 0.8 mm, Outer dimensions: □4.9 mm
- Short push travel (excellent clear tactile feeling)
- High contact reliability
- Long operating life

■ Recommended Applications

- Operating switches for camcorders, headphone stereos

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9
E	V	Q	P	L		A		
Product Code			Type			Height		

■ Product Chart

Height		H=0.8 mm	H=1.5 mm (With Push Plate)
Packaging		Embossed	Embossed
Operating Force			
1.0 N		EVQPLB	EVQPLD
1.6 N		EVQPLF	EVQPLH
2.6 N		EVQPLK	EVQPLM


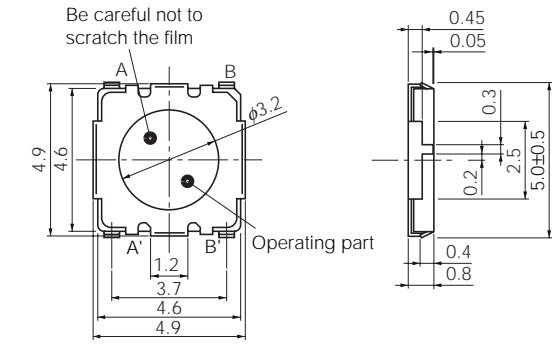
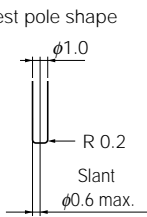
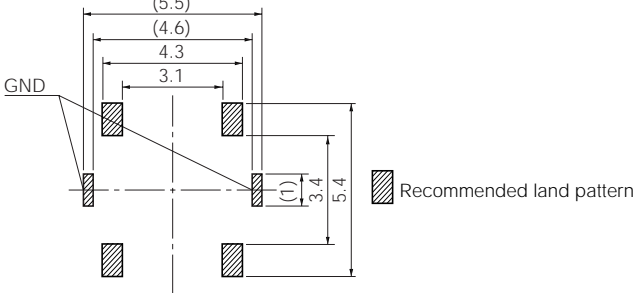
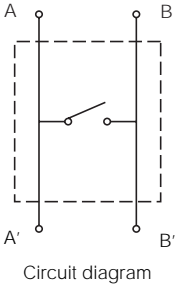

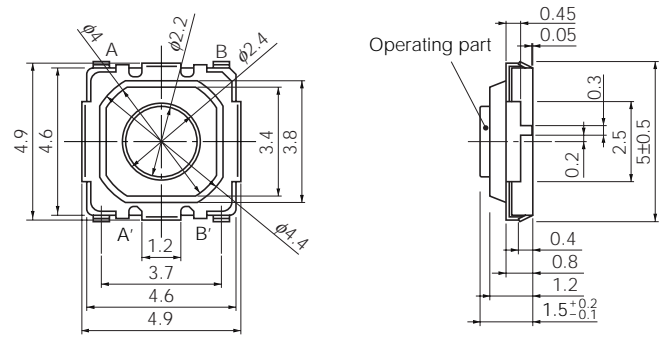
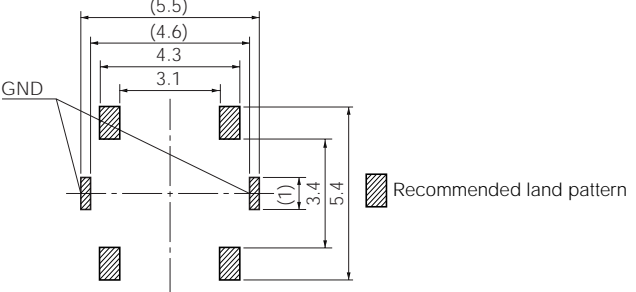
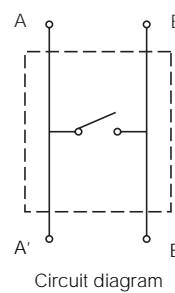
■ Specifications

Type		Snap action/Push-on type SPST	
Electrical	Rating	20 mA 15 Vdc max. (Resistive load)	
	Contact Resistance	50 mΩ max.	
	Insulation Resistance	50 MΩ min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	3 ms max. (ON) 8 ms max. (OFF)	
Mechanical	Operating Force	1.0 N±0.5 N 1.6 N±0.5 N	2.6 N±0.6 N
	Travel	0.25 mm ^{+0.10} / _{-0.20} mm	
Endurance	Operating Life	500000 cycles min.	200000 cycles min.
	Operating Temperature	-20 °C to +70 °C (45 % to 85 % RH)	
	Storage Temperature	-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)	
Minimum Quantity/Packing Unit		5000 pcs. Embossed Taping (Reel Pack)	
Quantity/Cartron		25000 pcs.	

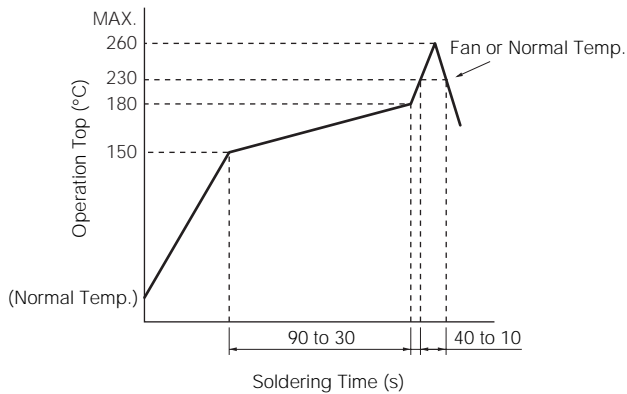
Note: Non washable

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.

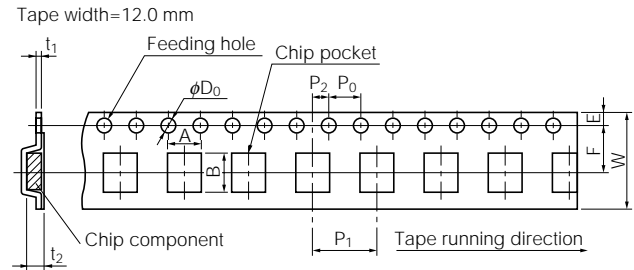
■ Dimensions in mm (not to scale)

<p>No. 1</p> <p>EVQPLB EVQPLF EVQPLK</p> <p>(Embossed Taping)</p> <p>Surface mount For reflow soldering Without push plate</p> 	<div style="display: flex; justify-content: space-around;"> <div> <p>Be careful not to scratch the film</p>  </div> <div> <p>Test pole shape</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div>  </div> <div>  <p>Circuit diagram</p> </div> </div>		
<p>Part Numbers</p>	<p>Operating Force</p>	<p>Height</p>	<p>Operating Life</p>
<p>EVQPLBA08</p>	<p>1.0 N</p>	<p>0.8 mm</p>	<p>500000 cycles</p>
<p>EVQPLFA08</p>	<p>1.6 N</p>	<p>0.8 mm</p>	<p>500000 cycles</p>
<p>EVQPLKA08</p>	<p>2.6 N</p>	<p>0.8 mm</p>	<p>200000 cycles</p>
<p>No. 2</p> <p>EVQPLD EVQPLH EVQPLM</p> <p>(Embossed Taping)</p> <p>Surface mount For reflow soldering With push plate</p> 	<div style="display: flex; justify-content: space-around;"> <div>  </div> <div>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div>  <p>Circuit diagram</p> </div> </div>		
<p>Part Numbers</p>	<p>Operating Force</p>	<p>Height</p>	<p>Operating Life</p>
<p>EVQPLDA15</p>	<p>1.0 N</p>	<p>1.5 mm</p>	<p>500000 cycles</p>
<p>EVQPLHA15</p>	<p>1.6 N</p>	<p>1.5 mm</p>	<p>500000 cycles</p>
<p>EVQPLMA15</p>	<p>2.6 N</p>	<p>1.5 mm</p>	<p>200000 cycles</p>

■ Recommended Reflow Soldering Conditions



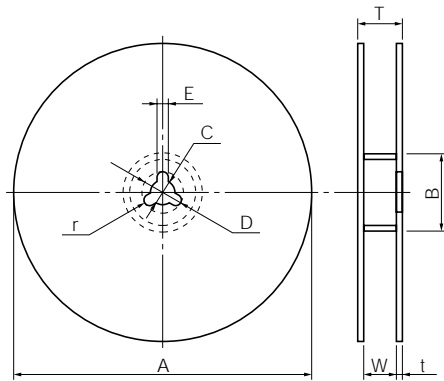
● Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P ₁	P ₂	P ₀	D ₀ Dia.	t ₁	t ₂
EVQPL	0.8/1.5	5.0±0.2	5.0±0.2	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	0.35±0.05	1.0/1.7±0.2

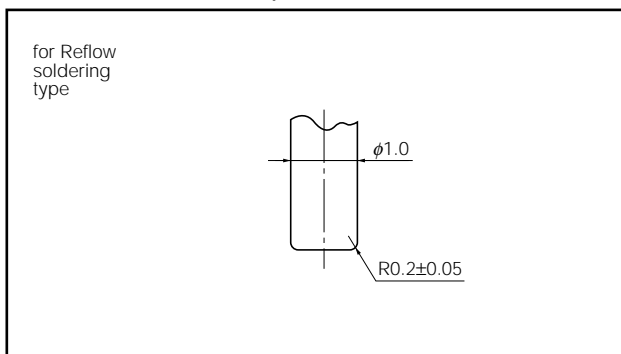
● Standard Reel Dimensions in mm (not to scale)



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)	14.0±1.5	—	1.0 to 3.0	1.0±0.5

■ Recommended Shape of Test Pole



■ Recommended Operating Conditions

