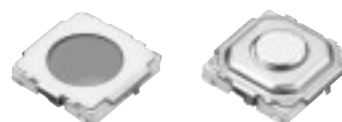


4.9 mm Square SMD Light Touch Switches

Type: **EVQPL**



■ Features

- External dimensions : 4.9 mm×4.9 mm,
Height: 0.8 mm(Without push plate), 1.5 mm(With push plate)

■ Recommended Applications

- Operation switches for portable electronic equipment
(Notebook PC, Camcorders, Portable audio players, etc.)
- Operation switches for car audio systems

■ 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)
Operating Force	Packaging	Embossed	Embossed
1.0 N		EVQPLB	EVQPLD
1.6 N		EVQPLF	EVQPLH
2.6 N		EVQPLK	EVQPLM


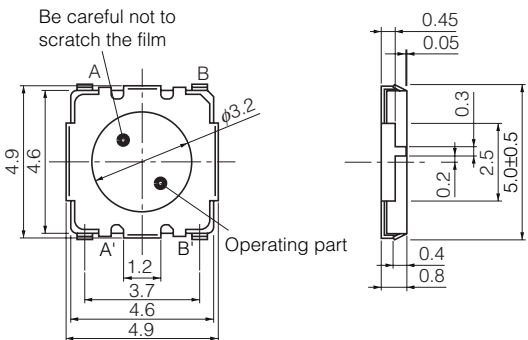
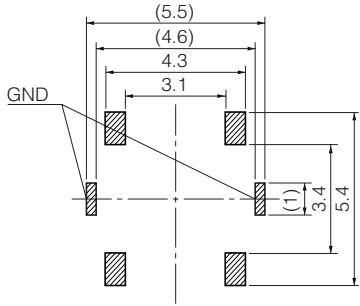
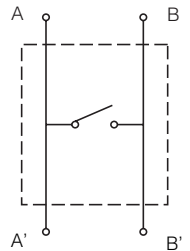
■ Specifications


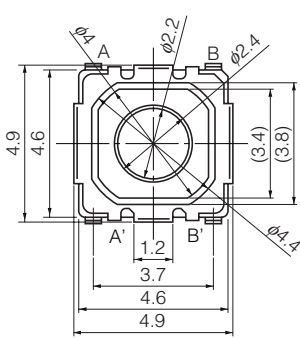
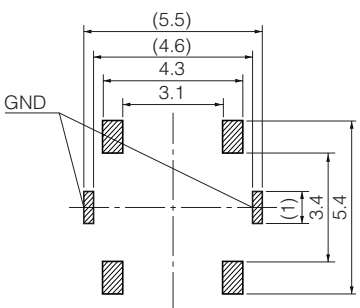
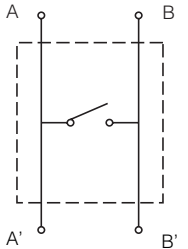
Type		Snap action/Push-on type SPST	
Electrical	Rating	10 μ A 2 Vdc to 20 mA 15 Vdc (Resistive load)	
	Contact Resistance	50 m Ω max.	
	Insulation Resistance	50 M Ω min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	3 ms max. (ON) 8 ms max. (OFF)	
Mechanical	Operating Force	1.0 N \pm 0.5 N 1.6 N \pm 0.5 N	2.6 N \pm 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	
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

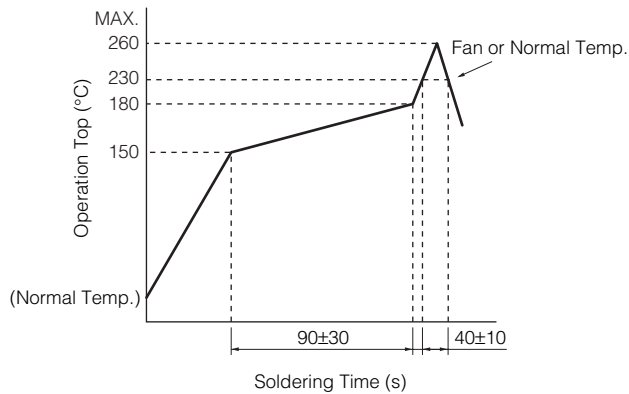
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ Dimensions in mm (not to scale)

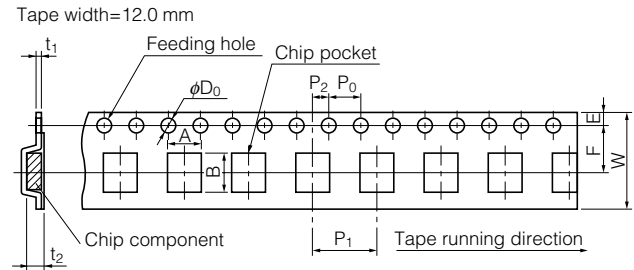
<div>No. 1</div> <div>EVQPLB EVQPLF EVQPLK</div> <div>(Embossed Taping)</div> <div>Surface mount For reflow soldering Without push plate</div> <div></div>	<div><div><div>Be careful not to scratch the film</div><div></div><div>Operating part</div></div><div><div></div><div>PWB land pattern for reference</div></div><div><div></div><div>Circuit diagram</div></div></div>		
Part Numbers	Operating Force	Height	Operating Life
EVQPLBA08	1.0 N	0.8 mm	500000 cycles
EVQPLFA08	1.6 N	0.8 mm	500000 cycles
EVQPLKA08	2.6 N	0.8 mm	200000 cycles

<div>No. 2</div> <div>EVQPLD EVQPLH EVQPLM</div> <div>(Embossed Taping)</div> <div>Surface mount For reflow soldering With push plate</div> <div></div>	<div><div><div><div></div><div>Operating part</div></div><div><div></div><div>PWB land pattern for reference</div></div><div><div></div><div>Circuit diagram</div></div></div></div>		
Part Numbers	Operating Force	Height	Operating Life
EVQPLDA15	1.0 N	1.5 mm	500000 cycles
EVQPLHA15	1.6 N	1.5 mm	500000 cycles
EVQPLMA15	2.6 N	1.5 mm	200000 cycles

■ Recommended Reflow Soldering Conditions



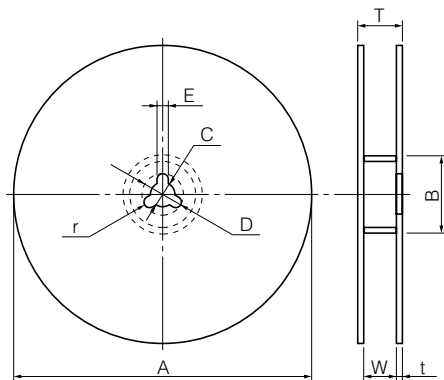
● Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P_1	P_2	P_0	D_0 Dia.	t_1	t_2
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	$1.0/1.7 \pm 0.2$

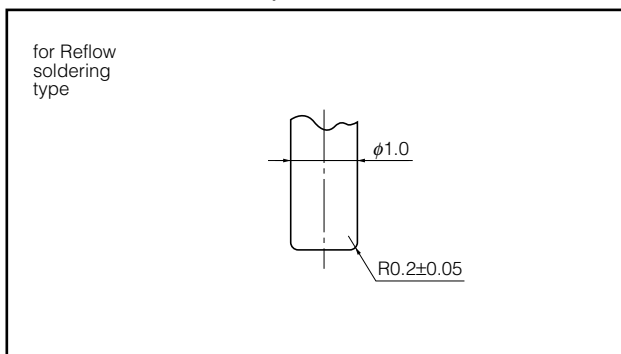
● Standard Reel Dimensions in mm (not to scale)



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)	14.0 ± 1.5	—	1.0 to 3.0	1.0 ± 0.5

■ Recommended Shape of Test Pole



■ Recommended Operating Conditions

