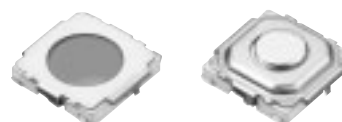


4.9 mm Square SMD Light Touch Switches

Type: **EVQPL/EVQ3PL**
EVQ5PL/EVQPT



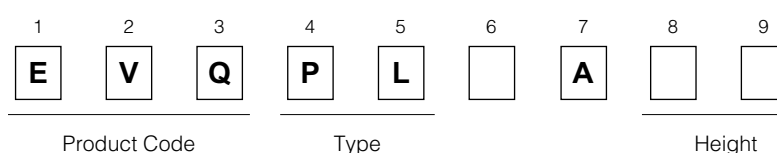
■ Features

- 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



■ Product Chart

Height	H=0.8 mm	H=1.5 mm (With Push Plate)
Packaging	Embossed	Embossed
Operating Force		
1.0 N	EVQPLB	EVQPLD, EVQPT5
1.6 N	EVQPLF	EVQPLH, EVQPT9
2.6 N	EVQPLK	EVQPLM
3.5 N	EVQ5PL	EVQ3PL

■ Specifications

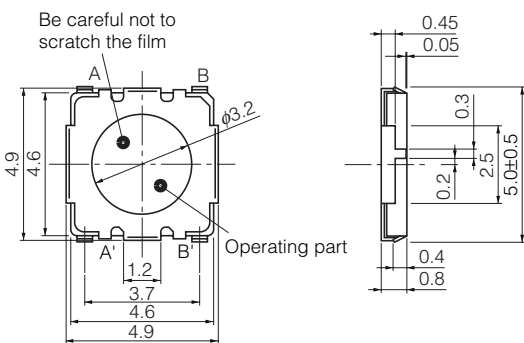
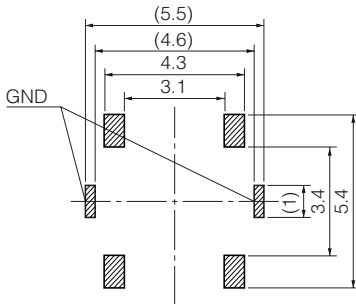
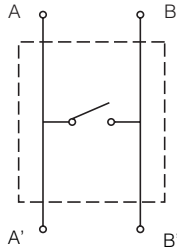
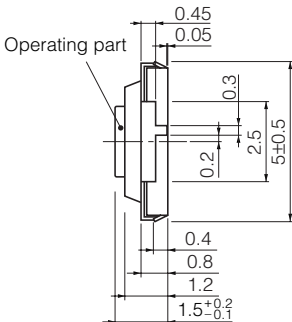
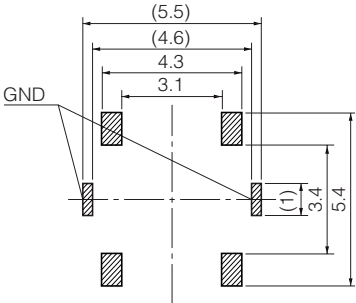
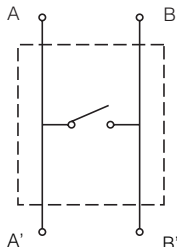
Type	Snap action/Push-on type SPST		
Electrical	Rating	10 μ A 2 Vdc to 20 mA 15 Vdc (Resistive load)	
	Contact Resistance	50 m Ω max.	
	Insulation Resistance	50 M Ω min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	3 ms max. (ON) 8 ms max. (OFF)	
Mechanical	Operating Force	1.0 N $\pm$ 0.5 N 1.6 N $\pm$ 0.5 N	2.6 N $\pm$ 0.6 N 3.5 N $\pm$ 1.0 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/Carton		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.

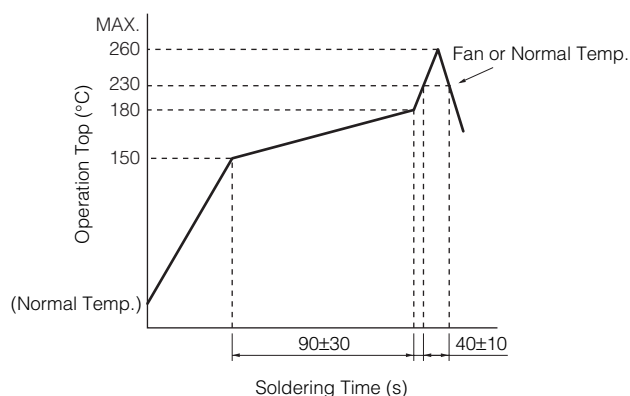
00 Oct. 2012

■ Dimensions in mm (not to scale)

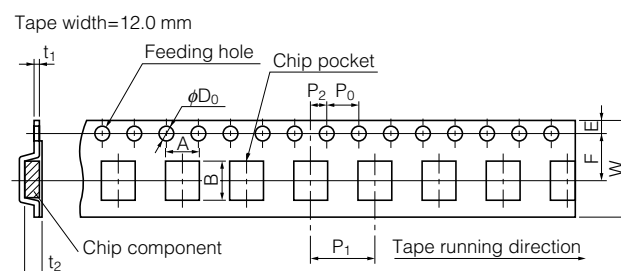
No. 1 EVQPLB EVQPLF EVQPLK EVQ5PL (Embossed Taping) Surface mount For reflow soldering Without push plate 	Be careful not to scratch the film   PWB land pattern for reference  Circuit diagram		
Part Numbers EVQPLBA08 EVQPLFA08 EVQPLKA08 EVQ5PLA08	Operating Force 1.0 N 1.6 N 2.6 N 3.5 N	Height 0.8 mm 0.8 mm 0.8 mm 0.8 mm	Operating Life 500000 cycles 500000 cycles 200000 cycles 200000 cycles
No. 2 EVQPLD/PT5 EVQPLH/PT9 EVQPLM EVQ3PL (Embossed Taping) Surface mount For reflow soldering With push plate 	Operating part   PWB land pattern for reference  Circuit diagram		
Part Numbers EVQPLDA15/PT5A15 EVQPLHA15/PT9A15 EVQPLMA15 EVQ3PLA15	Operating Force 1.0 N 1.6 N 2.6 N 3.5 N	Height 1.5 mm 1.5 mm 1.5 mm 1.5 mm	Operating Life 500000/2000000 cycles 500000/2000000 cycles 200000 cycles 200000 cycles

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■ Recommended Reflow Soldering Conditions



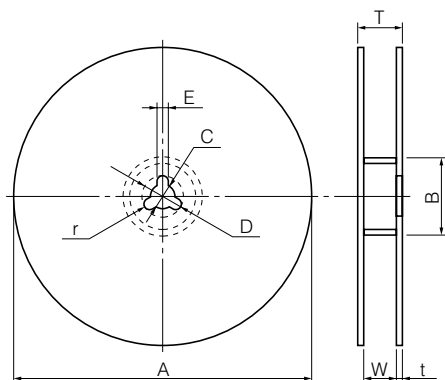
● Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P ₁	P ₂	P ₀	D ₀ Dia.	t ₁	t ₂
EVQPL EVQ3PL EVQ5PL EVQPT	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

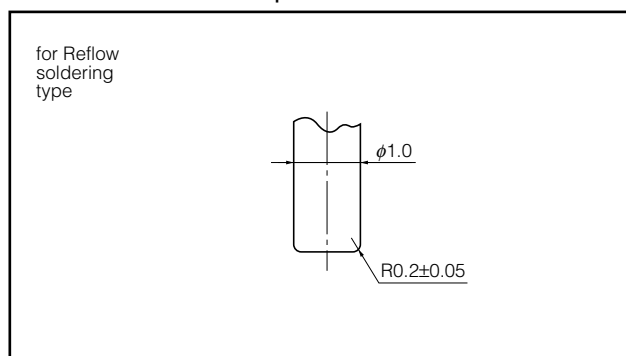
● Standard Reel Dimensions in mm (not to scale)



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

