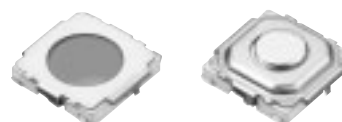


4.9 mm Square SMD Light Touch Switches

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

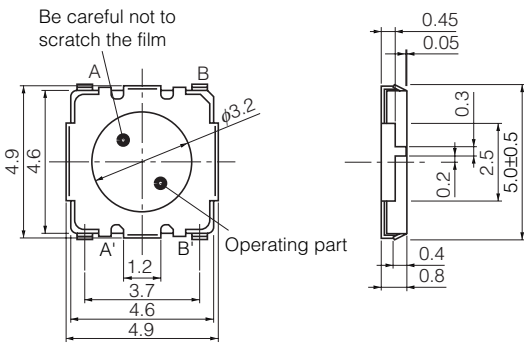
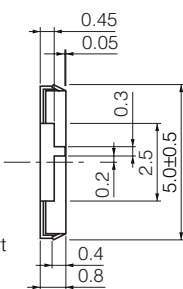
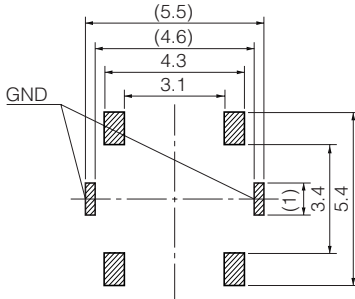
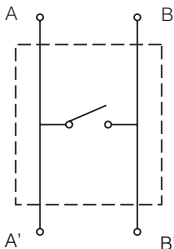
Type		Snap action/Push-on type SPST	
Electrical	Rating	10 μ A 2 Vdc to 20 mA 15 Vdc (Resistive load)	
	Contact Resistance	50 m Ω max.	
	Insulation Resistance	50 M Ω min. (at 100 Vdc)	
	Dielectric Withstanding Voltage	250 Vac for 1 minute	
	Bouncing	3 ms max. (ON) 8 ms max. (OFF)	
Mechanical	Operating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

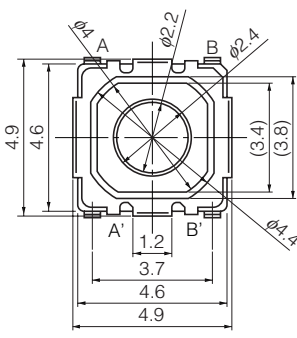
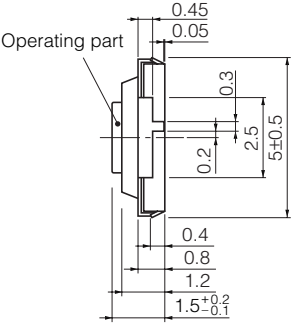
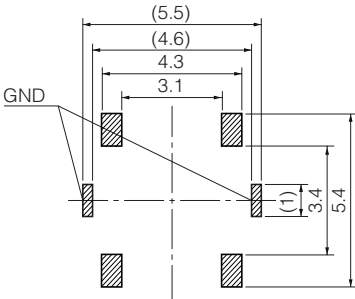
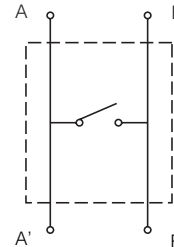
Note: Non washable

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.

00 Sep. 2010

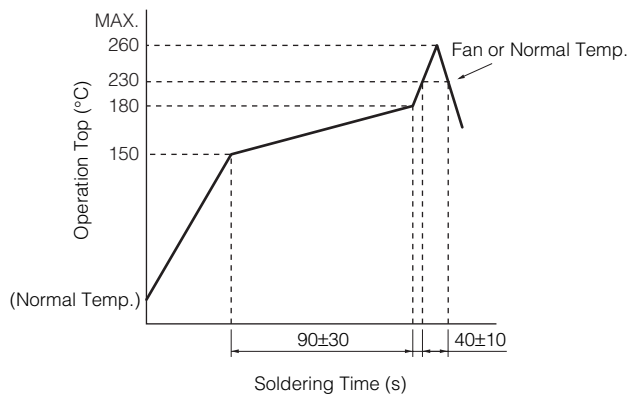
■ Dimensions in mm (not to scale)

No. 1 EVQPLB EVQPLF EVQPLK (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	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

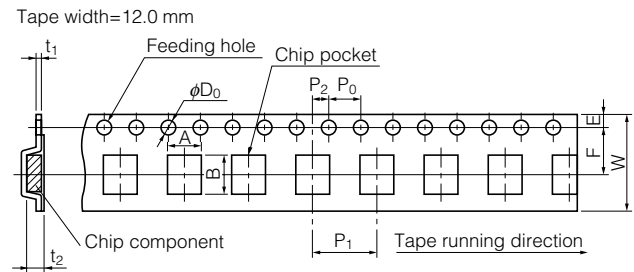
No. 2 EVQPLD EVQPLH EVQPLM (Embossed Taping) Surface mount For reflow soldering With push plate 	   PWB land pattern for reference  Circuit diagram		
Part Numbers	Operating Force	Height	Operating Life
EVQPLDA15	1.0 N	1.5 mm	500000 cycles
EVQPLHA15	1.6 N	1.5 mm	500000 cycles
EVQPLMA15	2.6 N	1.5 mm	200000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

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■ Recommended Reflow Soldering Conditions



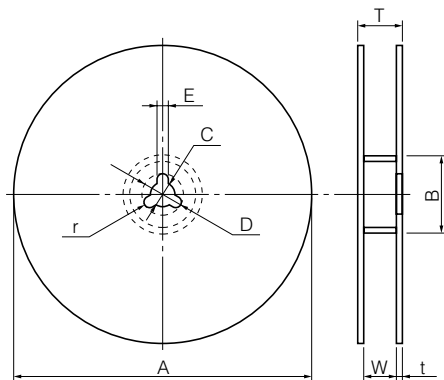
● Embossed Carrier Taping



Unit: mm

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

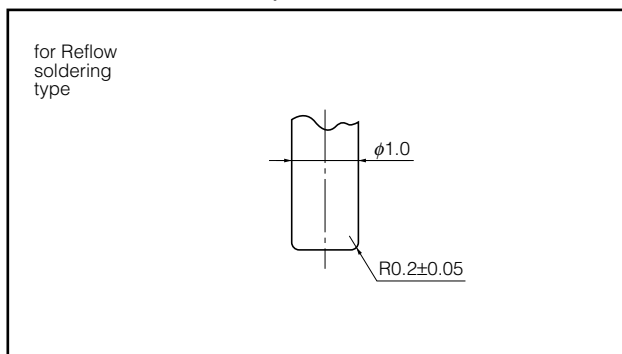
● Standard Reel Dimensions in mm (not to scale)



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

