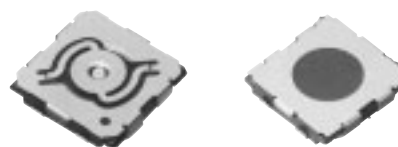


6 mm Square Thin Type Double-action SMD Light Touch Switches

Type: **EVQPR/EVQQ0/EVQ3PR**



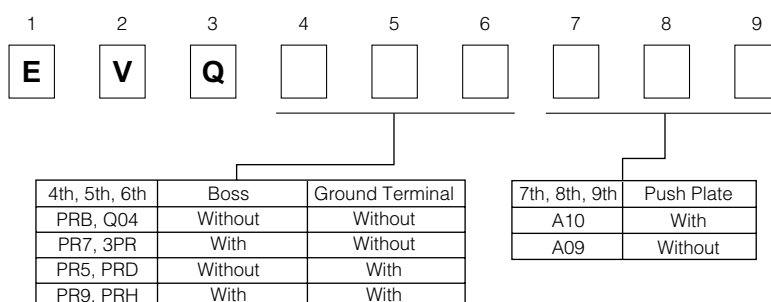
■ Features

- External dimensions : 6.0 mm×6.0 mm,
Height : 0.9 mm (Without push plate)
0.95 mm (With push plate)
- Wide selection of double action operating variations
With push plate : 1st 0.7 N, 2nd 2.6 N
Without push plate : 1st 1.0 N, 2nd 2.6 N
- Wide selection of double action operating variations

■ Recommended Applications

- Camera function
(Digital still cameras, Camcorders, Mobile phones, etc.)
- Operating switches for menu scrolling and confirmation for portable equipment.

■ Explanation of Part Numbers



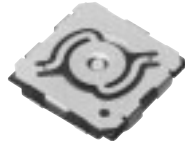
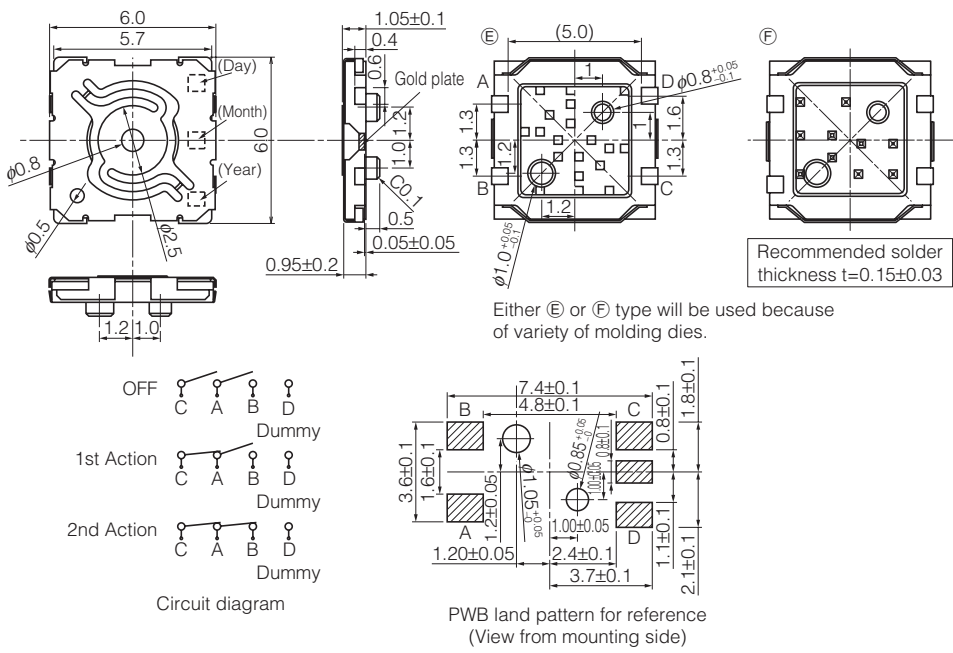
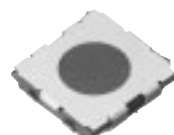
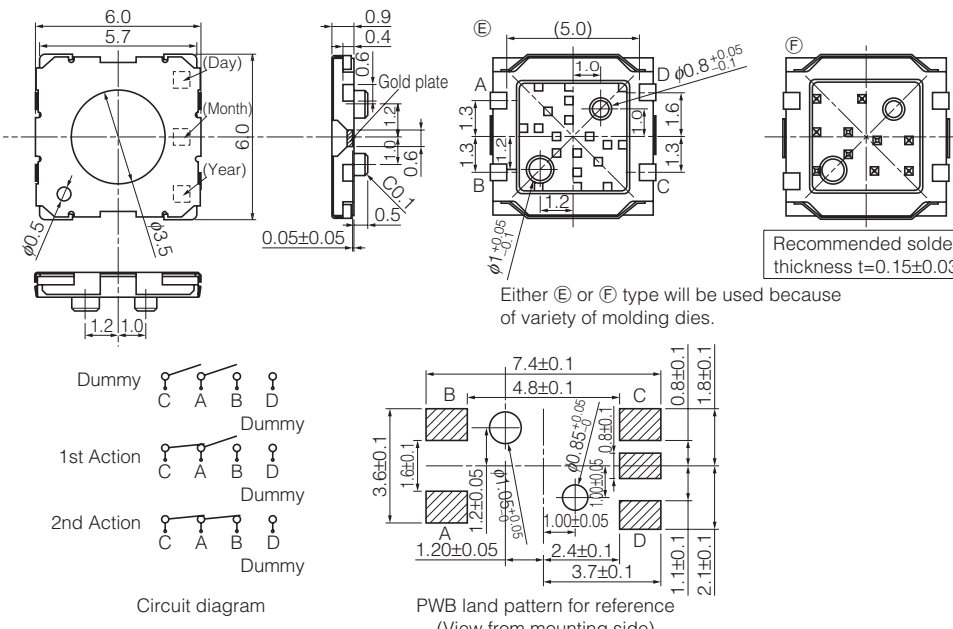
■ Specifications

Type		Snap action/Push-on type SPDT	
Push Plate type		With Push Plate	Without Push Plate
Electrical	Rating	10 μ A 2 Vdc to 20 mA 15 Vdc (Resistive load)	
	Contact Resistance	100 m Ω max.	
	Insulation Resistance	50 M Ω min.	
	Dielectric Withstanding Voltage	100 Vac for 1 minute	
	Bouncing	3 ms max. (ON) 20 ms max. (OFF)	
Mechanical	Operating Force	1st : 0.7 N	1st : 1.0 N
		2nd : 2.6 N	2nd : 2.6 N
	Travel	1st: 0.4 mm	2nd: 0.6 mm
Endurance	Operating Life	30000 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.	

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.

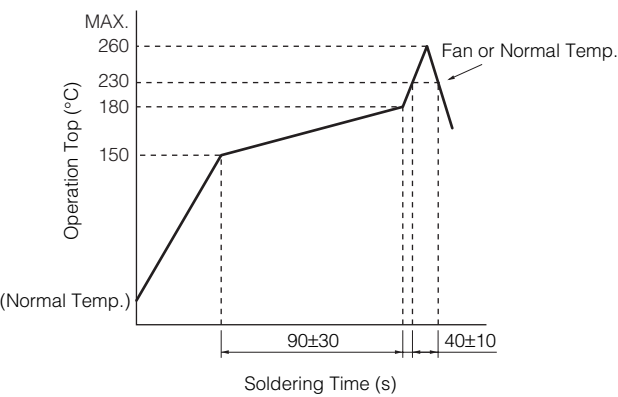
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■ Dimensions in mm (not to scale)

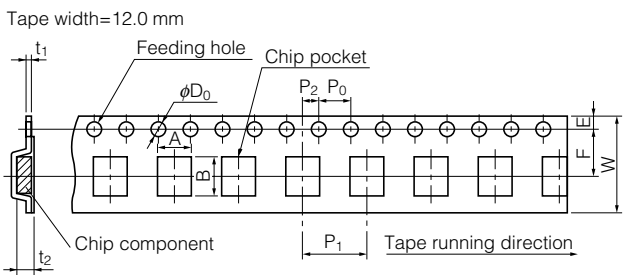
No. 1						
With Push Plate						
EVQQ0 EVQPR						
(Mounting base with Boss) (With ground terminal)						
						
						
		Either ⑤ or ⑥ type will be used because of variety of molding dies.				
		Recommended solder thickness $t=0.15\pm0.03$				
		Circuit diagram				
		PWB land pattern for reference (View from mounting side)				
Part Numbers		Ground Terminal	Boss	Operating Force	Height	Operating Life
EVQQ04A10		Without	Without	1st/0.7 N, 2nd/2.6 N	0.95 mm	30000 cycles
EVQPR7A10		Without	With	1st/0.7 N, 2nd/2.6 N	0.95 mm	30000 cycles
EVQPR5A10		With	Without	1st/0.7 N, 2nd/2.6 N	0.95 mm	30000 cycles
EVQPR9A10		With	With	1st/0.7 N, 2nd/2.6 N	0.95 mm	30000 cycles
No. 2						
Without Push Plate						
EVQPR EVQ3PR						
(Mounting base with Boss) (With ground terminal)						
						
						
		Either ⑤ or ⑥ type will be used because of variety of molding dies.				
		Recommended solder thickness $t=0.15\pm0.03$				
		Circuit diagram				
		PWB land pattern for reference (View from mounting side)				
Part Numbers		Ground Terminal	Boss	Operating Force	Height	Operating Life
EVQPRBA09		Without	Without	1st/1.0 N, 2nd/2.6 N	0.9 mm	30000 cycles
EVQ3PRA09		Without	With	1st/1.0 N, 2nd/2.6 N	0.9 mm	30000 cycles
EVQPRDA09		With	Without	1st/1.0 N, 2nd/2.6 N	0.9 mm	30000 cycles
EVQPRHA09		With	With	1st/1.0 N, 2nd/2.6 N	0.9 mm	30000 cycles

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Recommended Reflow Soldering Conditions



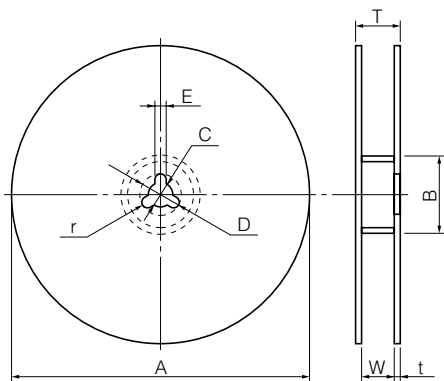
Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P ₁	P ₂	P ₀	D ₀ Dia.	t ₁	t ₂
EVQPR/Q0/3PR	0.9, 0.95	6.3±0.3	6.3±0.3	12.0±0.3	5.50±0.15	1.75±0.15	8.00±0.15	2.00±0.15	4.00±0.15	1.5 ^{+0.1} ₋₀	0.30±0.05	1.7 ^{+0.2} _{-0.1}

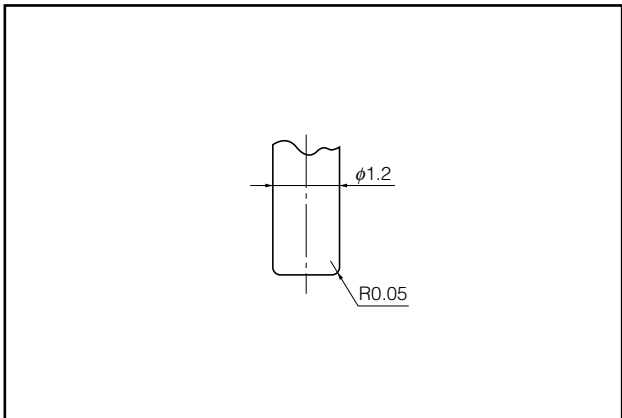
Standard Reel Dimensions in mm (not to scale)



Item	A	B	C	D	E
Rate (mm)	φ380.0±2.0	φ80.0±1.0	φ13.0±0.2	φ21.0±0.8	2.0±0.5

Item	W	T	t	r
Rate (mm)	13.5±1.0	17.5±1.0	1.0 to 3.0	1.0±0.5

Recommended Shape of Test Pole



Recommended Operating Conditions

