6 mm Square Thin Type SMD Light Touch Switches

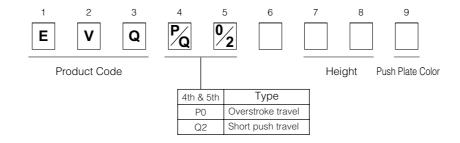
Type: **EVQP0 EVQQ2**



- Features
- External dimensions : 6.5 mm×6.0 mm, Height 1.8 mm (Excluding the push plate)
- With or without ground terminal, height, operating force
- Overstroke travel

- Recommended Applications
- Operating switches for other electronic equipment
- Operation switches for PC mouse
- Car audio systems

■ Explanation of Part Numbers



Specifications

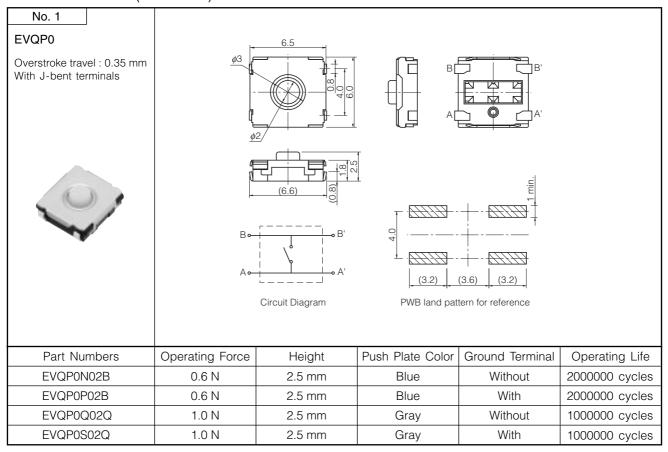
Travel Type		Short Push Travel	Overstroke Travel			
Туре		Snap action/Push-on type SPST				
	Rating	10 μA 2 Vdc to 20 mA 15 Vdc (Resistive load)				
Electrical	Contact Resistance	100 m Ω max.				
	Insulation Resistance	100 MΩ min. (at 100 Vdc)				
	Dielectric Withstanding Voltage	250 Vac for 1 minute				
	Bouncing	10 ms max. (ON, OFF)				
Mechanical	Operating Force	0.5 N, 1.0 N, 1.3 N, 1.6 N, 2.6 N, 3.5 N	0.6 N, 1.0 N			
	Travel	0.25 mm (0.2 mm : 0.5N, 1.0N)	0.3 mm			
Endurance	Operating Life	0.5 N : 2000000 cycles min. 1.0 N, 1.3 N, 1.6 N : 1000000 cycles min. 2.6 N : 200000 cycles min. 3.5 N : 100000 cycles min.	0.6 N: 2000000 cycles min. 1.0 N: 1000000 cycles min.			
Operating Temperature		-40 °C to +85 °C				
Storage Temperature		-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)				
Minimum Quantity/Packing Unit		H=2.0 mm H=2.5 mm, 3.1 mm	4000 pcs. Embossed Taping (Reel Pack) 2000 pcs. Embossed Taping (Reel Pack)			
Quantity/Carton		H=2.0 mm H=2.5 mm, 3.1 mm	20000 pcs. 10000 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.

Light Touch Switches/EVQP0/Q2

Panasonic

■ Dimensions in mm (not to scale)



Panasonic

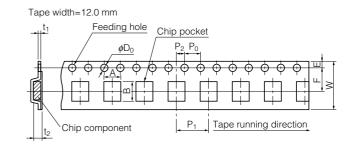
■ Dimensions in mm (not to scale)

■ Dimensions in mm (not to scale)								
No. 2								
EVQQ2	φ3.8	6.5			Height H			
Short push travel : 0.25 mm With J-bent terminals		8000	B		2.0±0.2 2.5±0.2 3.1±0.2			
	<u> </u>	3	- [] ^{	A'	0.110.2			
0		(6.6)	T (All)	ight in the second of the seco				
	B ∘	B'	(3.2) (3.6) (3.2)					
		Circuit Diagram	PWB land patte	ern for reference				
Part Numbers	Operating Force	H=Height	Push Plate Color	Ground Terminal	Operating Life			
EVQQ2B01W	0.5 N	2.0 mm	White	Without	2000000 cycles			
EVQQ2B02W	0.5 N	2.5 mm	White	Without	2000000 cycles			
EVQQ2B03W	0.5 N	3.1 mm	White	Without	2000000 cycles			
EVQQ2D01W	0.5 N	2.0 mm	White	With	2000000 cycles			
EVQQ2D02W	0.5 N	2.5 mm	White	With	2000000 cycles			
EVQQ2D03W	0.5 N	3.1 mm	White	With	2000000 cycles			
EVQQ2F01W	1.0 N	2.0 mm	White	Without	1000000 cycles			
EVQQ2F02W	1.0 N	2.5 mm	White	Without	1000000 cycles			
EVQQ2F03W	1.0 N	3.1 mm	White	Without	1000000 cycles			
EVQQ2H01W	1.0 N	2.0 mm	White	With	1000000 cycles			
EVQQ2H02W	1.0 N	2.5 mm	White	With	1000000 cycles			
EVQQ2H03W	1.0 N	3.1 mm	White	With	1000000 cycles			
EVQQ2K01W	1.3 N	2.0 mm	White	Without	1000000 cycles			
EVQQ2K02W	1.3 N	2.5 mm	White	Without	1000000 cycles			
EVQQ2K03W	1.3 N	3.1 mm	White	Without	1000000 cycles			
EVQQ2M01W	1.3 N	2.0 mm	White	With	1000000 cycles			
EVQQ2M02W	1.3 N	2.5 mm	White	With	1000000 cycles			
EVQQ2M03W	1.3 N	3.1 mm	White	With	1000000 cycles			
EVQQ2P01W	1.6 N	2.0 mm	White	Without	1000000 cycles			
EVQQ2P02W	1.6 N	2.5 mm	White	Without	1000000 cycles			
EVQQ2P03W	1.6 N	3.1 mm	White	Without	1000000 cycles			
EVQQ2S01W	1.6 N	2.0 mm	White	With	1000000 cycles			
EVQQ2S02W	1.6 N	2.5 mm	White	With	1000000 cycles			
EVQQ2S03W	1.6 N	3.1 mm	White	With	1000000 cycles			
EVQQ2U01W	2.6 N		White	Without	200000 cycles			
	2.6 N	2.0 mm 2.5 mm	White	Without				
EVQQ2U02W EVQQ2U03W	2.6 N		White	Without	200000 cycles 200000 cycles			
		3.1 mm						
EVQQ2W01W	2.6 N	2.0 mm	White	With	200000 cycles			
EVQQ2W02W	2.6 N	2.5 mm	White	With	200000 cycles			
EVQQ2W03W	2.6 N	3.1 mm	White	With	200000 cycles			
EVQQ2Y01W	3.5 N	2.0 mm	White	Without	100000 cycles			
EVQQ2Y02W	3.5 N	2.5 mm	White	Without	100000 cycles			
EVQQ2Y03W	3.5 N	3.1 mm	White	Without	100000 cycles			
EVQQ2201W	3.5 N	2.0 mm	White	With	100000 cycles			
EVQQ2202W	3.5 N	2.5 mm	White	With	100000 cycles			
EVQQ2203W	3.5 N	3.1 mm	White	With	100000 cycles			

■ Recommended Reflow Soldering Conditions

MAX. 260 Fan or Normal Temp. 230 Operation Top (°C) 180 150 (Normal Temp.) 90±30 40±10 Soldering Time (s)

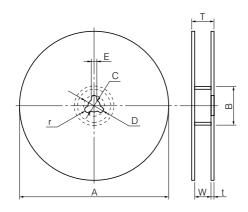
Embossed Carrier Taping



Unit: mm

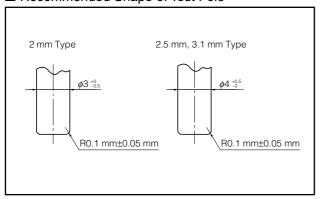
Part No.	Height	Α	В	W	F	E	P1	P2	P ₀	D0 Dia	t1	t2
EVQQ2	2.0											2.2±0.2
	2.5/3.1	6.7±0.2	7.4±0.2	12.0±0.3	5.5±0.1	1.75±0.10	8.0±0.1	2.0±0.1	4.0±0.1	1.5+0.1	0.30±0.05	3.2±0.2
EVQP0	2.5											2.8±0.2

Standard Reel Dimensions in mm (not to scale)



Item	А	В	С	D	E		
Rate (mm) ϕ 380.0±2.0		φ80.0±1.0 φ13.0±0.5		φ21.0±1.0	2.0±0.5		
Item	W	Т	t	r			
Rate (mm)	13.5±1.0	17.5±1.0	_				

■ Recommended Shape of Test Pole



■ Recommended Operating Conditions

