4 mm Square SMD Light Touch Switches

Type: EVQP6/EVQ6P6/EVQ7P6/EVQ9P6

Features

- External dimensions : 4.1 mm×4.1 mm
 Height :Without Push Plate 0.35 mm, With Push Plate 0.58 mm
 :Without Push Plate·With Ground Terminal 0.43 mm
- Long-life :1000000 cycles min. (Operating Force 1.6 N Type)
- Dust-proof structure



 Recommended Applications
 Operating switches for portable electronic equipment (Mobile phones, Camcorders, Portable audio players, etc.).



Product Chart

Height	Without Push Plate H=0.35 mm	With Push Plate H=0.58 mm	Without Push Plate With Ground Terminal H=0.43 mm		
Packaging Operating Force	Embossed	Embossed	Embossed		
1.0 N	—	—	EVQ7P6		
1.6 N	EVQP6D	EVQP6L	EVQ6P6		
2.4 N	EVQP6P	EVQP6Y	EVQ9P6		

Specifications

Turce		Snap action / Push-on type SPST				
Туре		Without Push Plate	With Push Plate			
	Rating	10 µA 2 Vdc to 20 mA	15 Vdc (Resistive load)			
	Contact Resistance	500 mΩ max.				
Electrical	Insulation Resistance	50 MS	Ω min.			
	Dielectric Withstanding Voltage	100 Vac fo	or 1 minute			
	Bouncing	3 ms max. (ON) 10 ms max. (OFF)				
Mechanical	Operating Force	1.0 N, 1.6	1.0 N, 1.6 N, 2.4 N			
	Travel	0.2 mm (EVQ7P6 : 0.15 mm)				
Endurance	Operating Life	1.0 N, 1.6 N : 1000000 cycles min. 2.4 N : 500000 cycles min.				
Operating Ten	nperature	-20 °C to +70 °C				
Storage Temp	erature		o +85 °C (Bulk) o +60 °C (Taping)			
Minimum Qua	ntity/Packing Unit	10000 pcs. Embossed Taping (Reel Pac				
Quantity/Carton		50000 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.

Panasonic

Dimensions in mm (not to scale)

Dimensions in mm (no	t to scale)				
No. 1					
EVQP6D EVQP6P (Embossed Taping) Surface mount For reflow soldering Without push plate	(1.6) (1		Ao o A' Bo Circuit diagram 4.7 1.4		
Part Numbers	Operating Force	Height	Operating Life		
EVQP6DB35	1.6 N	0.35 mm	1000000 cycles		
EVQP6PB35	2.4 N	0.35 mm	500000 cycles		
No. 2		0.00 1111			
EVQP6L EVQP6Y (Embossed Taping) Surface mount For reflow soldering With push plate		0.58 0.43 0.43	B O B' A O A' Circuit diagram		
		(6.1) (6.1)	4.7 3.7 4 9 100 </th		
Part Numbers	Operating Force	Height	Operating Life		
EVQP6LB55	1.6 N	0.58 mm			
			1000000 cycles		
EVQP6YB55	2.4 N	0.58 mm	500000 cycles		

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.

Panasonic

Dimensions in mm (not to scale)

· · · · · · · · · · · · · · · · · · ·	,		
No. 3 EVQ7P6 EVQ6P6 (Embossed Taping) Surface mount For reflow soldering Without push plate With Ground Terminal	(4.3) (4.3) (4.3) (5.4) (1.4) $(1.4$	A C - A C -	d pattern for reference A' terminal is exposed
Part Numbers	Operating Force	Height	Operating Life
EVQ7P6B40	1.0 N	0.43 mm	1000000 cycles
EVQ6P6B40	1.6 N	0.43 mm	1000000 cycles
EVQ9P6B40	2.4 N	0.43 mm	500000 cycles

Panasonic

Recommended Reflow Soldering Conditions



• Embossed Carrier Taping



Unit: mm

Part No.	Height	А	В	W	F	E	P1	P ₂	Po	D₀ Dia.	t1	t2
EVQP6	0.35/0.58											
EVQ6P6 EVQ7P6 EVQ9P6	0.43	4.0±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}	0.30±0.05	0.5/0.7 ^{+0.2} 0.1

Standard Reel Dimensions in mm (not to scale)



Item	А	В	С	D	E
Rate (mm)	ø380.0±2.0	\$0.0±1.0	<i>ф</i> 13.0±0.5	<i>ф</i> 21.0±1.0	2.0±0.5
Item	W	Т	t	r	
Rate (mm)	13.5±1.5	17.5±1.0	1.0 to 3.0	1.0 ± 0.5	

Recommended Shape of Test Pole



Recommended Operating Conditions



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.