Panasonic

2.6 mm×1.6 mm SMD Light Touch Switches





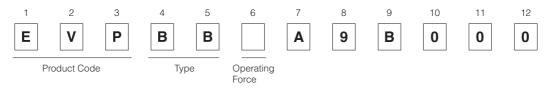
Features

- External dimensions: 2.6 mm× 1.6 mm, Height 0.53 mm, 0.55 mm
- High operability
- Equipped with an actuator (push plate)
- IP67

Recommended Applications

 Operation switches for portable electronic equipment (Mobile phone, Portable audio)

Explanation of Part Numbers



Specifications

Туре		Snap action/Push-on type SPST				
	Rating	10 µA 2 V DC to 20 mA 15 V DC (Resistive load)				
	Contact Resistance	500 mΩ max.				
Electrical	Insulation Resistance	50 MΩ min. (at 100 V DC)				
	Dielectric Withstanding Voltage	250 V AC for 1 minute				
	Bouncing	10 ms max. (ON, OFF)				
	Operating Force	1.6 N, 2.4 N				
Mechanical	Travel	10 μA 2 V DC to 20 mA 15 V DC (Resistive load 500 mΩ max. 50 MΩ min. (at 100 V DC) 250 V AC for 1 minute 10 ms max. (ON, OFF) 1.6 N, 2.4 N 0.11 mm 500,000 cycles min. Dust : Talc (Type4) 8 h Immersion depth : 1m 30min. -40 °C to +85 °C -40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping) 10,000 pcs. Embossed Taping (Reel Pack)				
Endurance	Operating Life	500,000 cycles min.				
	IP6x (Dust resistance)	500 mΩ max. 50 MΩ min. (at 100 V DC) 250 V AC for 1 minute 10 ms max. (ON, OFF) 1.6 N, 2.4 N 0.11 mm 500,000 cycles min. Dust : Talc (Type4) 8 h Immersion depth : 1m 30min. -40 °C to +85 °C -40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping) 10,000 pcs. Embossed Taping (Reel Pack)				
IP67(*1)	IPx7 (Water resistance)	Immersion depth : 1m 30min.				
Operating Temperature		−40 °C to +85 °C				
Storage Temp	erature					
Minimum Quantity/Packing Unit		10,000 pcs. Embossed Taping (Reel Pack)				
Quantity/Carton		50,000 pcs.				

Note: Non washable

(*1) IP67 : Switch shall not be operated during test.
Water or dust ingress shall be limited enough to prevent deleterious effect to the switch function. However, IP67 shall be guaranteed under single product state, then there is a possibility that IP67 performance become impaired depending on your mounting condition or usage.

So, please ask us in advance, if the switch is applied to important usage for water and dust resistant.

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)

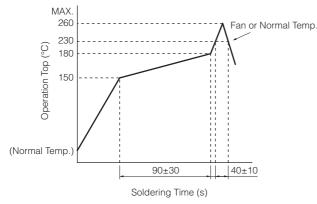
EVPBB			
(Embossed Taping)			
(Embossed Taping)	General dimension tolerand ()dimensions are reference () () () () () () () ()	e dimensions.	$\frac{1}{2}$ $\frac{1}{2}$
		designing add it may cause s solder-ability c	e should be convexoconcave by litional pattern, with tilt, influence on or flux intrusion Idering. ase study any influence of a pattern or via holes at vance.
Part Numbers	Operating Force	H=Height	Operating Life
EVPBB2A9B000	1.6 N	0.53 mm	500,000 cycles
EVPBB4A9B000	2.4 N	0.55 mm	500,000 cycles

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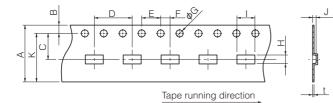
Recommended Reflow Soldering Conditions



Reflow temperature may vary by location even in the same reflow condition. Please check the reflow temperature at terminals and at the top of a switch to make sure the both temperatures are within the specification. If even one of them is out of the specifications, please adjust.

Embossed Carrier Taping

Tape width=12.0 mm



 Taping condition : Lack of products in the middle of taping should be one MAX, but total quantity specified in the specifications should be secured.
Peeling off strength of top tape : It should be within 0.2N to 1.0N at 165 degree in peeling off angle.
Joint of carrier tape : One joint per one reel may exist.

Unit: mm

Part No.	Height	A	В	С	D	E	F	G	Н	I	J	K	t
EVPBB	0.53 0.55	12.0±0.3	1.75±0.10	5.5±0.1	8.0±0.1	4.0±0.1	2.0±0.1	1.5±0.3	1.95±0.20	3.3±0.2	0.7±0.2	(10.25)	0.3 ^{+0.15} 0.10

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