imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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3.0 mm×2.0 mm SMD Light Touch Switches





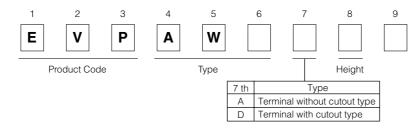
Features

- External dimensions : 3.0 mm×2.0 mm, Height 0.6 mm
- High operability
- Equipped with an actuator (push plate)
- IP67 characteristic

Recommended Applications

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

Explanation of Part Numbers



Specifications

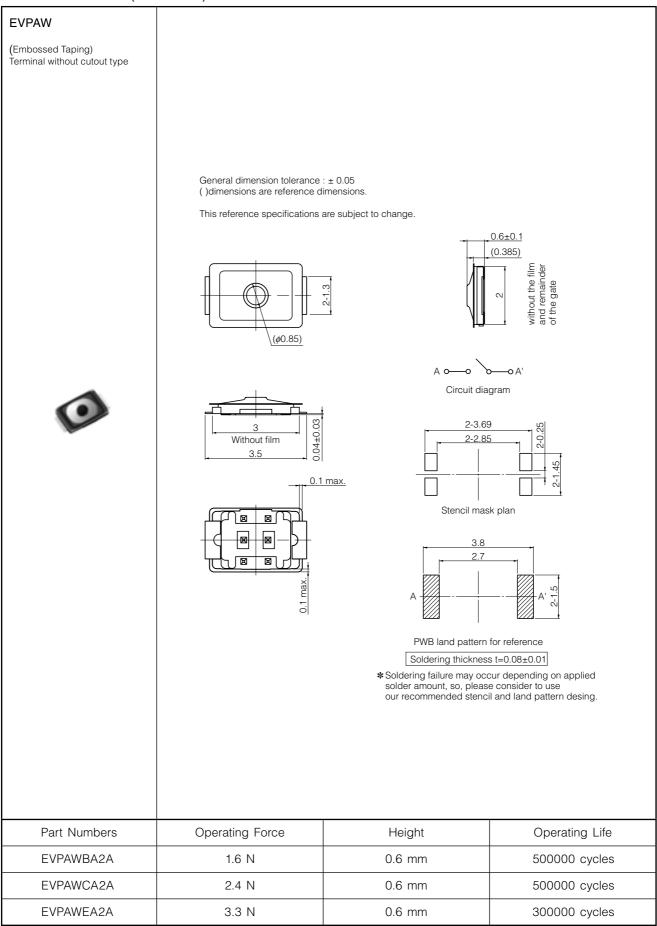
Туре		Snap action/Push-on type SPST			
	Rating	10 µA 2 Vdc to 20 mA 15 Vdc (Resistive load)			
Electrical	Contact Resistance	500 mΩ max.			
	Insulation Resistance	50 M Ω min. (at 100 Vdc)			
	Dielectric Withstanding Voltage	250 Vac for 1 minute			
	Bouncing	10 ms max. (ON, OFF)			
Mechanical	Operating Force	1.6 N, 2.4 N, 3.3 N			
	Travel	1.6 N, 2.4 N : 0.13 mm	3.3 N : 0.15 mm		
Endurance	Operating Life	1.6 N, 2.4 N : 500000 cycles min.	3.3 N : 300000 cycles min		
	IP6x (Dust resistance)	Dust : Talc (Type4) 8h			
IP67(*1)	IPx7 (Water resistance)	Immersion depth :	1 m 30 min.		
Operating Temperature		-40 °C to +8	−40 °C to +85 °C		
Storage Temperature		-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)			
Minimum Quantity/Packing Unit		10000 pcs. Embossed Taping (Reel Pack)			
Quantity/Carton		50000 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.

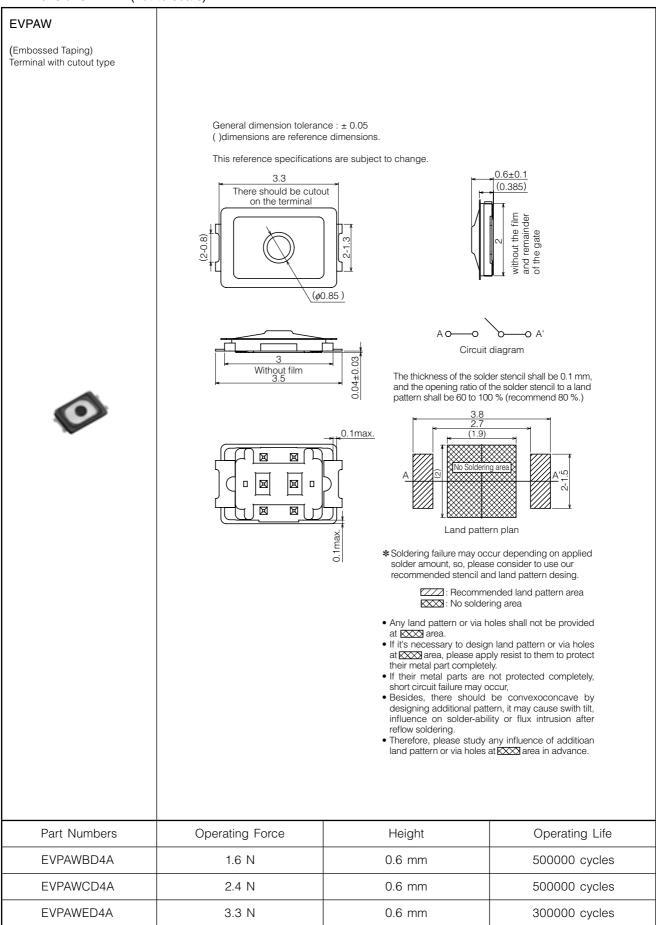
So, please ask us in advance, if the switch is applied to important usage for water and dust resistant.

Dimensions in mm (not to scale)



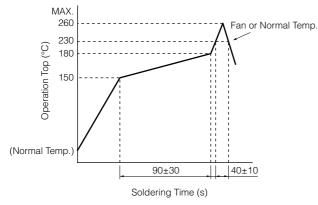
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

Dimensions in mm (not to scale)



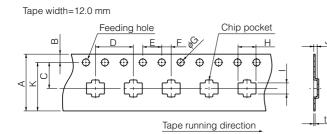
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Recommended Reflow Soldering Conditions



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 withiin the specification. If even one of them is out of the specifications, please adjust.

• Embossed Carrier Taping



 Taping condition : Lack of products in the middle of taping should be one MAX, but total quantity specified in the specifications should be secured.

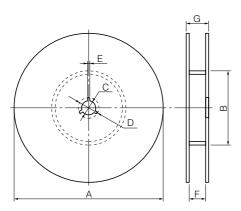
 Peeling off strength of top tape : It should be within 0.2N to 1. ON at 165 degree in peeling off angle.

 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	К	t
EVPAW	0.6	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	3.8±0.2	2.3±0.2	0.75±0.20	(10.25)	0.3 ^{+0.15} -0.10

• Standard Reel Dimensions in mm (not to scale)



Item	А	В	С	D	E	
Rate (mm)	\$\$\$0.0±2.0	\$\$0.0±1.0	\$\$\phi_13.0±0.5	\$\$\phi_21.0±1.0	2.0±0.5	
		0				

Item	Ŧ	G		
Rate (mm)	13.5±1.0	17.5±1.0		