



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!



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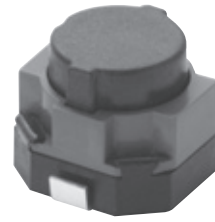
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6 mm Square Long Travel 2 terminals SMD Light Touch Switches

Type: **EVPAS**



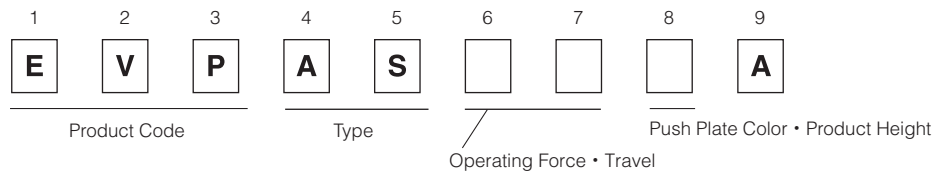
■ Features

- External dimensions : 6.0 mm×6.1 mm, Height 5.0 mm (Including the push plate)
- Steady and low contact resistance (100 mΩ max.)
- Excellent solderability (J-bent-type terminals)

■ Recommended Applications

- Operating switches for car electronic equipments.
- Input on operating switches for telephones, electronic musical instruments, etc.

■ Explanation of Part Numbers(Standard specification only)



■ Specifications

Type		Snap action/Push-on type SPST			
Electrical	Rating	10 μA 2 V DC to 50 mA 12 V DC (Resistive load)			
	Contact Resistance	100 mΩ max.			
	Insulation Resistance	100 MΩ min. (at 100 V DC)			
	Dielectric Withstanding Voltage	250 V AC for 1 minute			
	Bouncing	10 ms max. (ON, OFF)			
Mechanical	Type	Standard type		Narrow tolerance operating force type	
	Operating Force	1.6 N±0.5 N	—		—
		2.0 N±0.6 N	—		—
		—	2.2 N±0.6 N		—
		2.5 N±0.6 N	2.5 N±0.6 N		—
		3.0 N±0.8 N	—		3.0 N±0.6 N
	3.5 N±1.0 N	—		—	
Travel	1.3 mm±0.2 mm	1.0 mm±0.2 mm			
Endurance	Operating Life	3.5 N type: 30,000 cycles min. 1.6 N, 2.0 N, 2.2 N, 2.5 N, 3.0 N type: 100,000 cycles min. 3.0 N with Long life type: 200,000 cycles min. 3.5 N with Long life type: 100,000 cycles min. 3.0 N with Narrow tolerance type: 200,000 cycles min.			
Operating Temperature		-40 °C to +90 °C			
Storage Temperature		-40 °C to +90 °C (Bulk) -20 °C to +60 °C (Taping)			
Minimum Quantity/Packing Unit		2,000 pcs. Embossed Taping (Reel Pack)			
Quantity/Carton		10,000 pcs.			

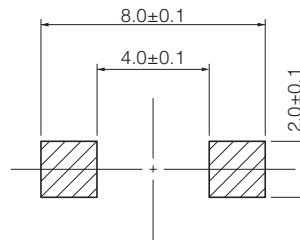
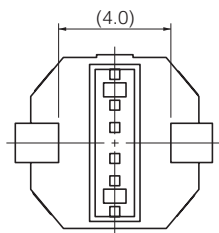
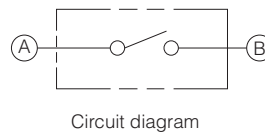
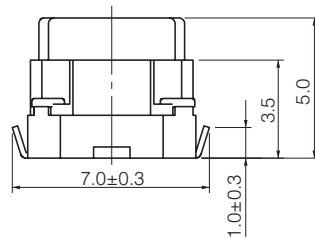
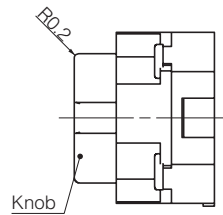
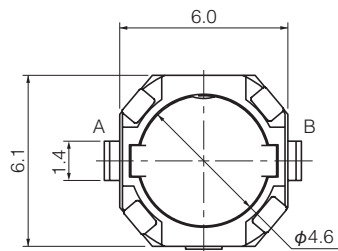
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ Dimensions in mm (not to scale)

EVPAS

(Embossed Taping)

General dimension tolerance : ± 0.2
 () dimensions are reference dimensions.



PWB land pattern for reference

Part Numbers	Operating Force	Travel	Height	Push Plate Color	Operating Life
EVPASCB1A	2.2 N	1.0 mm	5.0 mm	Black	100,000 cycles
EVPASDB1A	2.5 N	1.0 mm	5.0 mm	Black	100,000 cycles
EVPASAC1A	1.6 N	1.3 mm	5.0 mm	Black	100,000 cycles
EVPASBC1A	2.0 N	1.3 mm	5.0 mm	Black	100,000 cycles
EVPASDC1A	2.5 N	1.3 mm	5.0 mm	Black	100,000 cycles
EVPASEC1A	3.0 N	1.3 mm	5.0 mm	Black	100,000 cycles
EVPASKC1A	3.0 N	1.3 mm	5.0 mm	Black	200,000 cycles (long life type)
EVPASFC1A	3.5 N	1.3 mm	5.0 mm	Black	30,000 cycles
EVPASJC1A	3.5 N	1.3 mm	5.0 mm	Black	100,000 cycles (long life type)

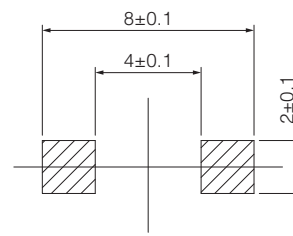
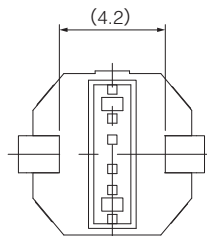
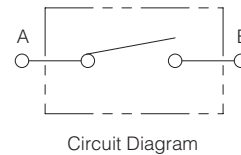
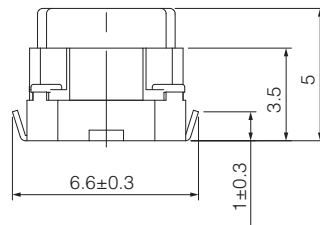
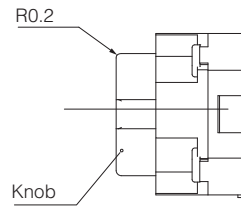
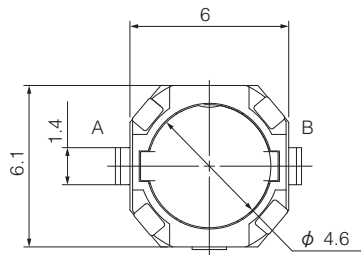
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■ Dimensions in mm (not to scale)

EVPAS

General dimension tolerance : ± 0.2
 () dimensions are reference dimensions.

(Embossed Taping)
 (Narrow tolerance operating force type)



Land pattern plan

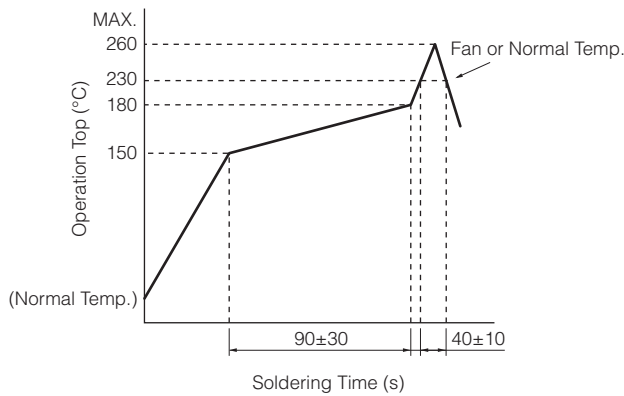
Knob color : BLACK

Solder thickness $t=0.15\pm0.03$

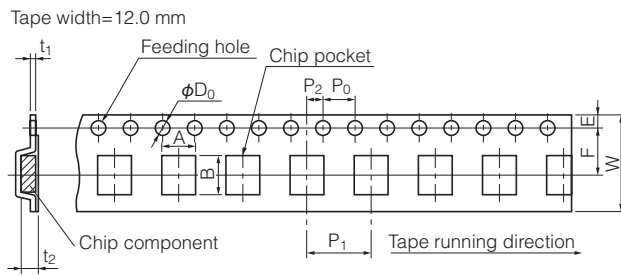
Part Numbers	Operating Force	Travel	Height	Push Plate Color	Operating Life
EVPAS4D1A	3.0 N	1.0 mm	5.0 mm	Black	200,000 cycles

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■ Recommended Reflow Soldering Conditions



● 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 1.0N at 165 degree in peeling off angle.
Joint of carrier tape : One joint per one reel may exist.

Unit: mm

Part No.	Height	A	B	W	F	E	P_1	P_2	P_0	D_0 Dia.	t_1	t_2
EVPAS	5.0	6.8±0.2	7.7±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	0.4±0.1	5.25±0.20

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Please contact

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