

6mm Square Middle Travel SMD Light Touch Switch

Type: **EVPBF**



■ Features

- External dimensions : 6.0 mm×6.0 mm, Height 2.5 mm
(Excluding the push plate, Middle Travel)
- Middlestroke travel type

■ Recommended Applications

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

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	V	P	B	F				A	0	0	0
Product Code			Type		Operating Force	Ground terminal	Product Height				

■ Specifications

Travel Type		Middlestroke Travel
Type		Snap action/Push-on type SPST
Electrical	Rating	10 μ A 2 V DC to 20 mA 15 V DC (Resistive load)
	Contact Resistance	500 m Ω max.
	Insulation Resistance	100 M Ω min. (at 100 V DC)
	Dielectric Withstanding Voltage	250 V AC for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	2.0 N
	Travel	0.25 mm
Endurance	Operating Life	1,000,000 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		3,000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		15,000 pcs.

Note: Non washable

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.

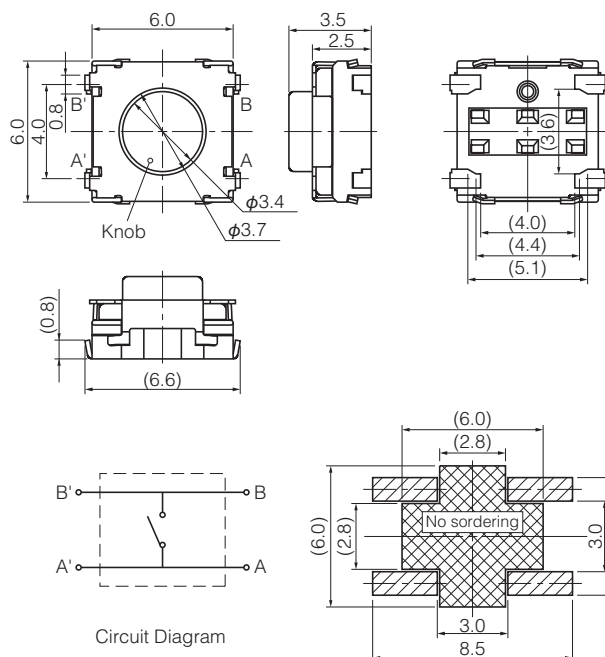
■ Dimensions in mm (not to scale)

EVPBF

Middlestroke Travel 0.25 mm
With J-bent terminals



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



PWB land pattern for reference

▨ : Recommended land pattern area.

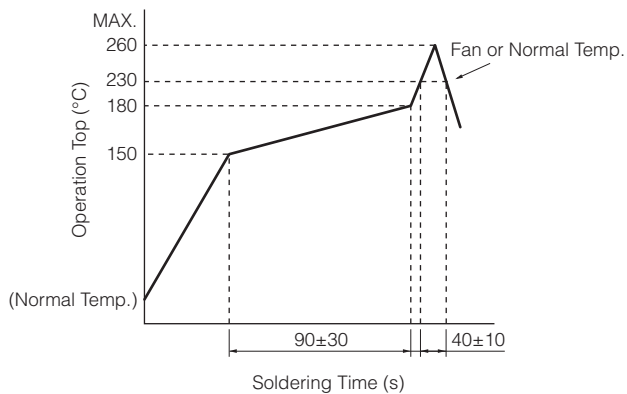
▩ : No soldering area.

- Any land pattern or via holes shall not be provided at ▩ area.
- If it's necessary to design land pattern or via holes at ▩ area, please apply resist to them to protect their metal part completely.
- If their metal parts are not protected completely, short circuit failure may occur by solder ball.
- Beside, there should be convexoconcave by designing additional pattern, it may cause switch tilt, influence on solder-ability or flux intrusion after reflow soldering.
- Therefore, please study any influence of additional land pattern or via holes at ▩ area in advance.

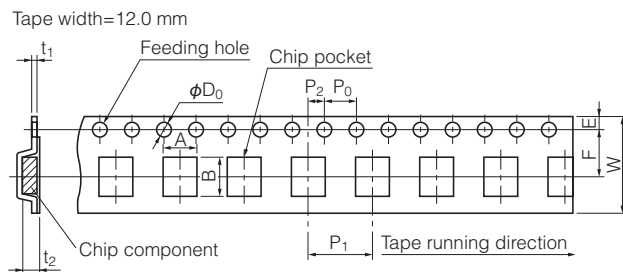
Part Numbers	Operating Force	Height	Push Plate Color	Ground Terminal	Operating Life
EVPBFAC1A000	2.0 N	3.5 mm	Gray	Without	1,000,000 cycles

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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.

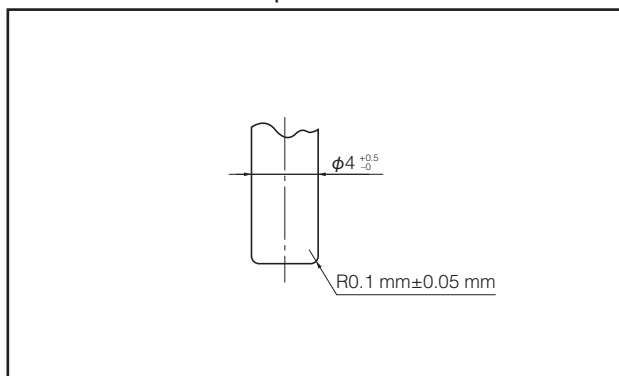
Peeling off strength of top tape : It should be within 0.2N to 1.0N at 165 degree in peeling off angle.

Joint of carrier tape : One joint per one reel may exist.

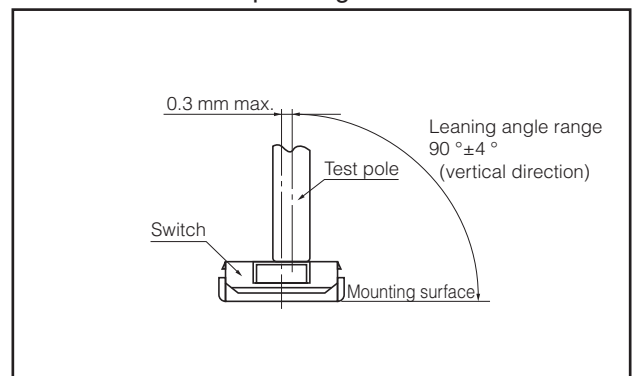
Unit: mm

Part No.	Height	A	B	W	F	E	P_1	P_2	P_0	D_0 Dia	t_1	t_2
EVPBF	3.5	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	$1.5^{+0.1}_{-0.1}$	0.30 ± 0.05	3.7 ± 0.1

■ Recommended Shape of Test Pole



■ Recommended Operating Conditions



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