6 mm Square Long Travel 2 terminals SMD Light Touch Switches

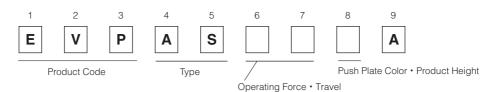
Type: **EVPAS**

Features

- External dimensions : 6.0 mm×6.1 mm, Height 5.0 mm (Including the push plate)
- \blacksquare Steady and low contact resistance (100 m Ω 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

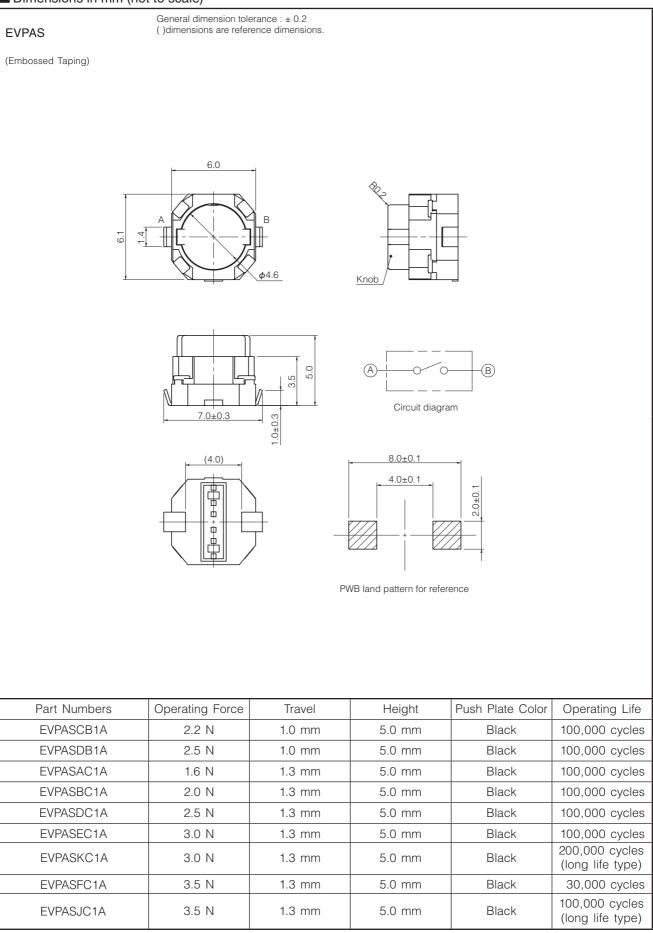
| Туре | | Snap action/Push-on type SPST | | | | | | |
|-------------------------------|---------------------------------|--|---------------------------------------|-------------|--|--|--|--|
| Electrical | Rating | 10 µA 2 V DC to 50 mA 12 V DC (Resistive load) | | | | | | |
| | Contact Resistance | 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 | Туре | Standa | Narrow tolerance operating force type | | | | | |
| | | 1.6 N±0.5 N | — | _ | | | | |
| | | 2.0 N±0.6 N | _ | _ | | | | |
| | Operating Force | _ | 2.2 N±0.6 N | _ | | | | |
| | Operating Force | 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 | ±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.



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Dimensions in mm (not to scale)



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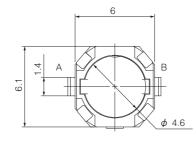
Dimensions in mm (not to scale)

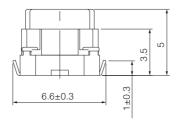
EVPAS

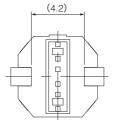
General dimension tolerance : \pm 0.2 ()dimensions are reference dimensions.

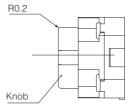


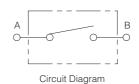
(Embossed Taping) (Narrow tolerance operating force type)

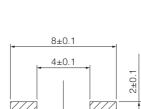












Land pattern plan

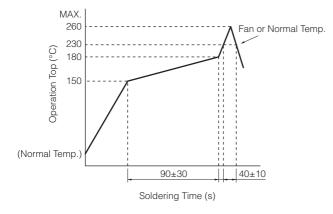
Knob color : BLACK Solder thickness t=0.15±0.03

| 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 |

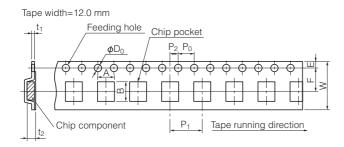
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Recommended Reflow Soldering Conditions



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

| | | | | | | | | | | | | Onit. mini |
|----------|--------|---------|---------|----------|---------|-----------|---------|---------|---------|---------|---------|------------|
| Part No. | Height | A | В | W | F | E | P1 | P2 | Po | D₀ Dia. | t1 | t2 |
| 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 | 0.4±0.1 | 5.25±0.20 |

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