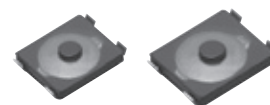


3.0 mm×2.6 mm SMD Light Touch Switches

Type: **EVPAF/EVP0A**



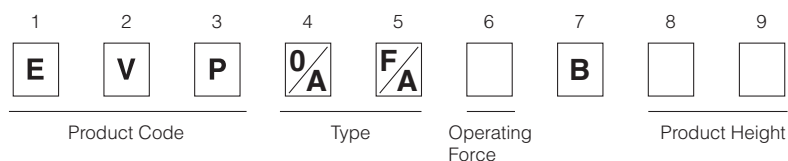
■ Features

- External dimensions: 3.0 mm×2.6 mm, Height 0.65 mm, 0.70 mm
- High operability
Equipped with an actuator (push plate)

■ Recommended Applications

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

■ Explanation of Part Numbers



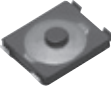
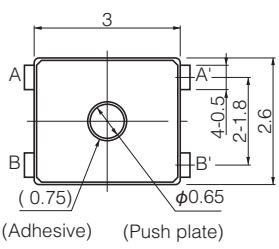
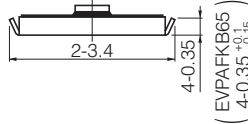
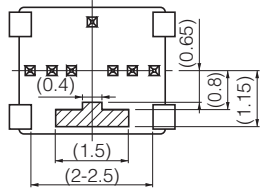
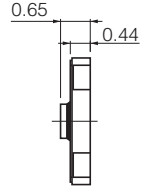
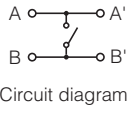
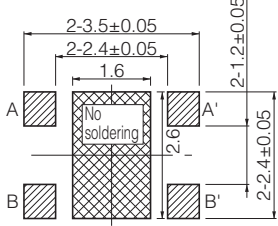


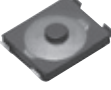
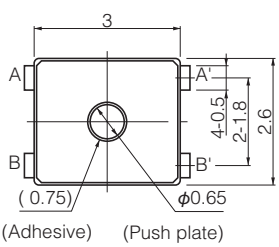
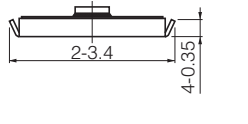
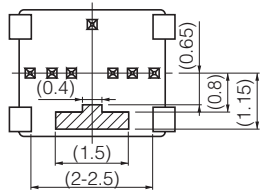
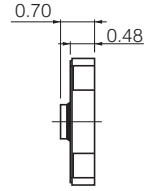
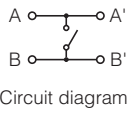
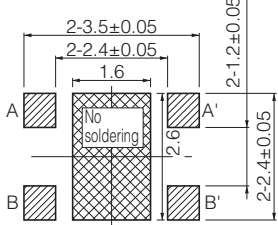


■ Specifications

| Type | | Snap action/Push-on type SPST |
|-------------------------------|---------------------------------|---|
| Electrical | Rating | 10 μA 2 V DC to 20 mA 15 V DC (Resistive load) |
| | Contact Resistance | 500 mΩ max. |
| | Insulation Resistance | 50 MΩ min. (at 100 V DC) |
| | Dielectric Withstanding Voltage | 250 V AC for 1 minute |
| | Bouncing | 10 ms max. (ON, OFF) |
| Mechanical | Operating Force | 1.3 N, 1.6 N, 2.4 N, 3.4 N |
| | Travel | 0.15 mm |
| Endurance | Operating Life | 1.3 N, 1.6 N, 3.4 N : 100,000 cycles min., 1.6 N(Low profile) 2.4 N : 500,000 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 | | 8,000 pcs. Embossed Taping (Reel Pack) |
| Quantity/Carton | | 40,000 pcs. |

Note: Non washable

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Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ Dimensions in mm (not to scale)

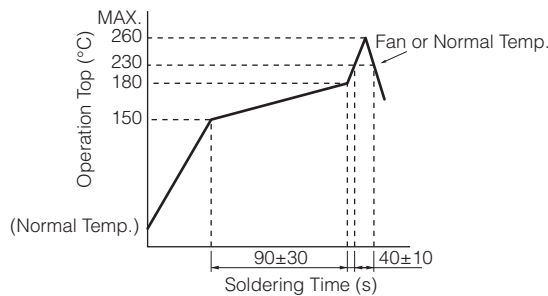
| | | | |
|--|---|---|---|
| <p>No. 1</p> <p>EVPAF</p> <p>(Embossed Taping)</p> <p>With J-bent terminals</p>  |    | <p>General dimension tolerance : ± 0.1 () dimensions are reference dimensions.</p>    <p>PWB land pattern for reference</p> <p>Part of A-A' terminal is exposed at  area. Any land pattern or vias shall not be provided at  area.</p> | |
| <p>Part Numbers</p> <p>EVPAFKB65</p> <p>EVPAFFB65</p> | <p>Operating Force</p> <p>1.3 N</p> <p>1.6 N</p> | <p>Height</p> <p>0.65 mm</p> <p>0.65 mm</p> | <p>Operating Life</p> <p>100,000 cycles</p> <p>100,000 cycles</p> |
| <p>No. 2</p> <p>EVPAF</p> <p>(Embossed Taping)</p> <p>With J-bent terminals</p>  |    | <p>General dimension tolerance : ± 0.1 () dimensions are reference dimensions.</p>    <p>PWB land pattern for reference</p> <p>Part of A-A' terminal is exposed at  area. Any land pattern or vias shall not be provided at  area.</p> | |
| <p>Part Numbers</p> <p>EVPAF5B70</p> <p>EVPAF7B70</p> | <p>Operating Force</p> <p>3.4 N</p> <p>2.4 N</p> | <p>Height</p> <p>0.70 mm</p> <p>0.70 mm</p> | <p>Operating Life</p> <p>100,000 cycles</p> <p>500,000 cycles</p> |

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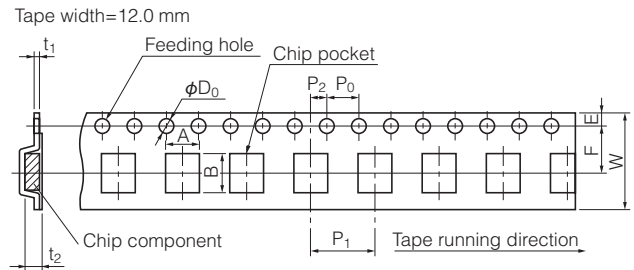
■ Dimensions in mm (not to scale)

| | | | |
|---|---|--|------------------------|
| No. 3 EVPAF Low profile (Embossed Taping) With J-bent terminals | General dimension tolerance : ± 0.1 () dimensions are reference dimensions. | | |
| | | | |
| | | <p>PWB land pattern for reference</p> <p>Part of A-A' terminal is exposed at area. Any land pattern or vias shall not be provided at area.</p> | <p>Circuit diagram</p> |
| Part Numbers | Operating Force | Height | Operating Life |
| EVPAF65 | 1.6 N | 0.65 mm | 500,000 cycles |
| EVPAF7B65 | 2.4 N | 0.65 mm | 500,000 cycles |
| EVPAF5B65 | 3.4 N | 0.65 mm | 100,000 cycles |

■ 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.

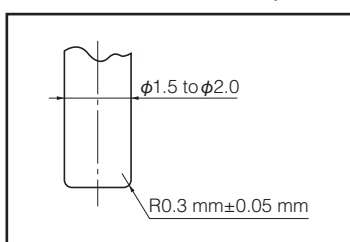
Peeling off strength of top tape : It should be within 0.2N to 1.0N at 165 degree in peeling off angle.

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 |
|----------|-----------|----------|----------|----------|---------|----------|----------------|----------------|----------------|--------------------|----------------|----------------|
| EVPAF | 0.65/0.70 | 3.75±0.2 | 2.95±0.2 | 12.0±0.3 | 5.5±0.1 | 1.75±0.1 | 8.0±0.1 | 2.0±0.1 | 4.0±0.1 | 1.5±0.3 | 0.3±0.1 | 0.8±0.2 |
| EVP0AF | | | | | | | | | | | | |

■ Recommended Shape of Test Pole



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