

### 4.7 mm×3.5 mm Double-action Side-operational SMD Light Touch Switches

Type: **EVPAJ**



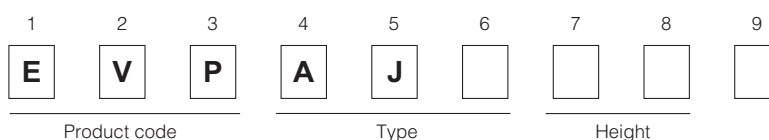
#### ■ Features

- External dimensions : 4.7 mm×3.5 mm (Without push plate), Height : 1.2 mm
- With ground terminal

#### ■ Recommended Applications

- Camera function  
(Digital still cameras, Camcorders, Mobile phones, etc.)
- Operating switches for menu scrolling and confirmation for portable equipment.

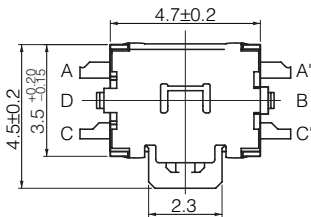
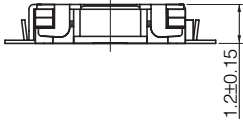
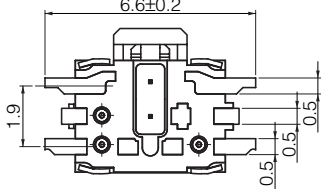
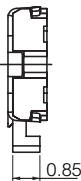
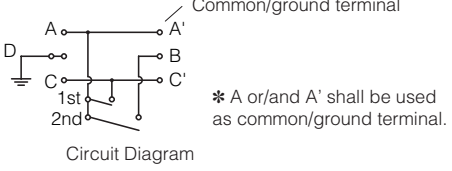
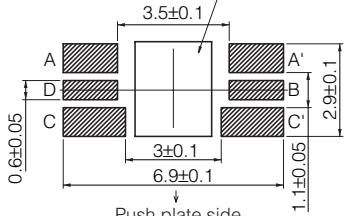
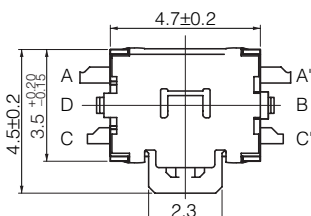
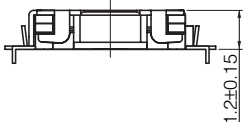
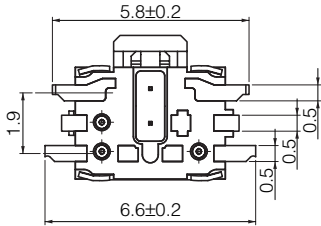
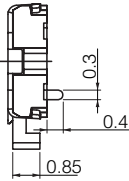
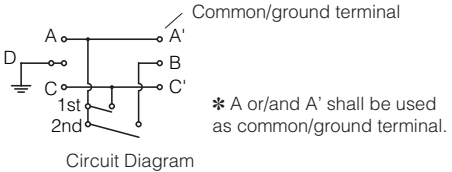
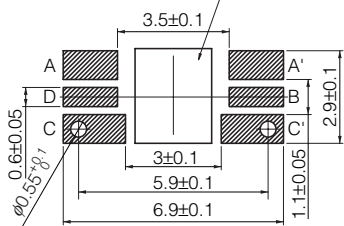
#### ■ Explanation of Part Numbers



#### ■ Specifications

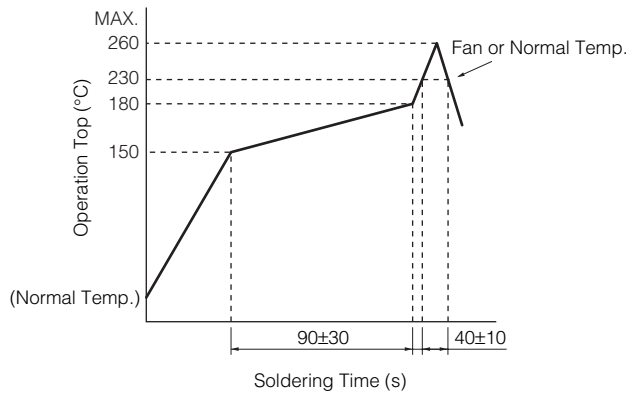
| Type                          |                                 | Snap action/Push-on type SPDT                     |
|-------------------------------|---------------------------------|---------------------------------------------------|
|                               | Rating                          | 10 $\mu$ A 2 Vdc to 20 mA 15 Vdc (Resistive load) |
|                               | Contact Resistance              | 500 m $\Omega$ max.                               |
|                               | Insulation Resistance           | 100 M $\Omega$ min. (at 100 Vdc)                  |
|                               | Dielectric Withstanding Voltage | 250 Vac for 1 minute                              |
|                               | Bouncing                        | 3 ms max. (ON)<br>20 ms max. (OFF)                |
| Mechanical                    | Operating Force (1st Action)    | 1.6 N                                             |
|                               | Operating Force (2nd Action)    | 2.6 N                                             |
|                               | Travel (1st Action)             | 0.15 mm                                           |
|                               | Travel (2nd Action)             | 0.4 mm                                            |
|                               | Push Strength                   | 30 N for 15 seconds                               |
| Endurance                     | Operating Life                  | 100000 cycles min.                                |
| Operating Temperature         |                                 | -20 °C to +70 °C                                  |
| Storage Temperature           |                                 | -40 °C to +85 °C (Bulk)                           |
|                               |                                 | -20 °C to +60 °C (Taping)                         |
| Minimum Quantity/Packing Unit |                                 | 5000 pcs. Embossed Taping (Reel Pack)             |
| Quantity/Carton               |                                 | 25000 pcs.                                        |

## ■ Dimensions in mm (not to scale)

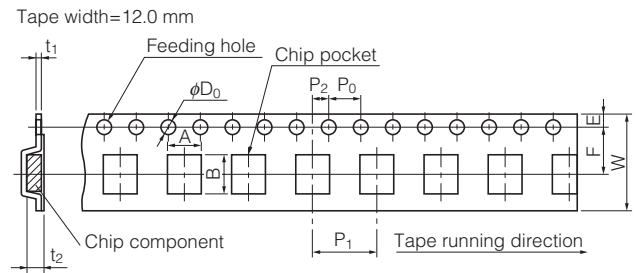
|                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>EVPAJ</p> <p>(Embossed Taping)<br/>With Ground Terminal</p> <p>Part Numbers :<br/>EVPAJAC1A</p>  |      <p>Circuit Diagram</p> <p>Please do not Provide any Land pattern in this area.</p>  <p>Push plate side</p> <p>PWB land pattern for reference(View from mounting side)</p>            |
| <p>EVPAJ</p> <p>L-shape</p> <p>Part Numbers :<br/>EVPAJAE1A</p>                                   |      <p>Circuit Diagram</p> <p>Please do not Provide any Land pattern in this area.</p>  <p>Push plate side</p> <p>PWB land pattern for reference(View from mounting side)</p> |

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.

### ■ Recommended Reflow Soldering Conditions



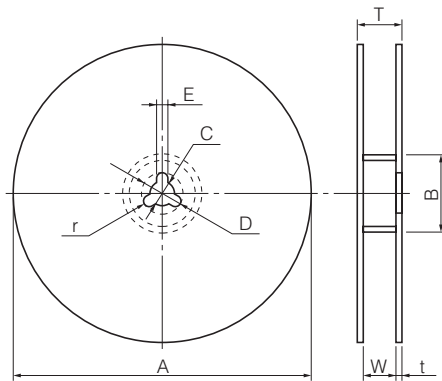
### ● Embossed Carrier Taping



Unit: mm

| Part No. | Height | A       | B       | W                                    | F        | E        | P <sub>1</sub> | P <sub>2</sub> | P <sub>0</sub> | D <sub>0</sub> Dia.               | t <sub>1</sub> | t <sub>2</sub>                     |
|----------|--------|---------|---------|--------------------------------------|----------|----------|----------------|----------------|----------------|-----------------------------------|----------------|------------------------------------|
| EVPAJ    | 1.2    | 6.8±0.2 | 4.9±0.2 | 12.0 <sup>+0.3</sup> <sub>-0.1</sub> | 5.78±0.1 | 1.75±0.1 | 8.0±0.1        | 2.0±0.1        | 4.0±0.1        | 1.5 <sup>+0.1</sup> <sub>-0</sub> | 0.3±0.05       | 1.95 <sup>+0.3</sup> <sub>-0</sub> |

### ● Standard Reel Dimensions in mm (not to scale)



| Item      | A          | B         | C         | D         | E       |
|-----------|------------|-----------|-----------|-----------|---------|
| Rate (mm) | φ380.0±2.0 | φ80.0±1.0 | φ13.0±0.5 | φ21.0±1.0 | 2.0±0.5 |

| Item      | W        | T        | t | r |
|-----------|----------|----------|---|---|
| Rate (mm) | 13.5±1.0 | 17.5±1.0 | — | — |