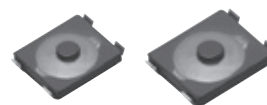


3.0 mm×2.6 mm SMD Light Touch Switches

Type: **EVPAF/EVP0A**

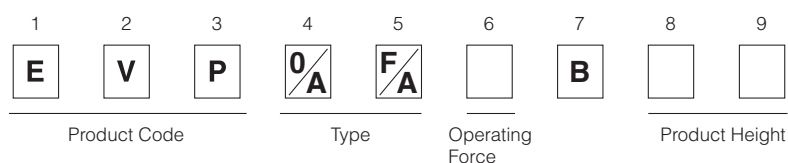
■ Features

- External dimensions: 3.0 mm×2.6 mm, Height 0.65 mm, 0.7mm
- 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.

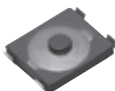
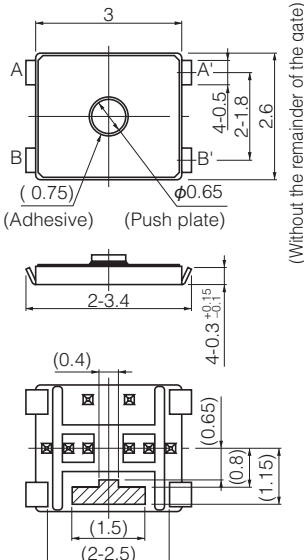
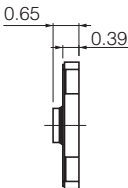
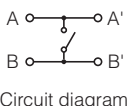
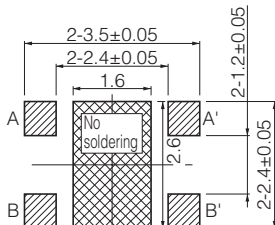


Note: Non washable

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.

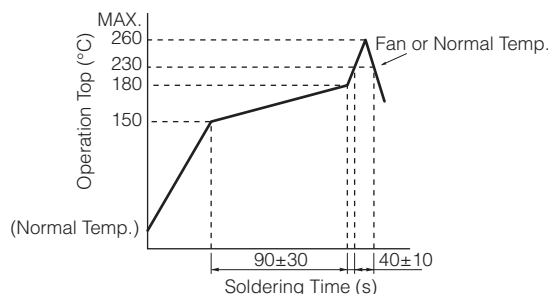
<div data-bbox="185 226 300 250" data-label="Section-Header"> <p>No. 1</p> </div> <div data-bbox="153 273 391 400" data-label="Text"> <p>EVPAF</p> <p>(Embossed Taping)</p> <p>With J-bent terminals</p> </div> <div data-bbox="231 649 347 741" data-label="Image"> </div>	<div data-bbox="478 264 753 492" data-label="Diagram"> <p>(Adhesive) (Push plate)</p> </div> <div data-bbox="491 557 740 676" data-label="Diagram"> </div> <div data-bbox="491 750 753 934" data-label="Diagram"> </div> <div data-bbox="759 246 778 530" data-label="Text"> <p>(Without the remainder of the gate)</p> </div>	<div data-bbox="1099 226 1437 273" data-label="Text"> <p>General dimension tolerance : ± 0.1 () dimensions are reference dimensions.</p> </div> <div data-bbox="956 255 1085 439" data-label="Diagram"> </div> <div data-bbox="968 510 1099 622" data-label="Diagram"> <p>Circuit diagram</p> </div> <div data-bbox="922 667 1197 896" data-label="Diagram"> <p>PWB land pattern for reference</p> </div> <div data-bbox="805 952 1287 999" data-label="Text"> <p>Part of A-A' terminal is exposed at area. Any land pattern or vias shall not be provided at area.</p> </div>	
<div data-bbox="212 1025 368 1052" data-label="Text"> <p>Part Numbers</p> </div> <div data-bbox="218 1061 362 1088" data-label="Text"> <p>EVPAFKB65</p> </div> <div data-bbox="218 1099 362 1126" data-label="Text"> <p>EVPAFFB65</p> </div>	<div data-bbox="518 1025 700 1052" data-label="Text"> <p>Operating Force</p> </div> <div data-bbox="576 1061 641 1088" data-label="Text"> <p>1.3 N</p> </div> <div data-bbox="576 1099 641 1126" data-label="Text"> <p>1.6 N</p> </div>	<div data-bbox="909 1025 981 1052" data-label="Text"> <p>Height</p> </div> <div data-bbox="890 1061 994 1088" data-label="Text"> <p>0.65 mm</p> </div> <div data-bbox="890 1099 994 1126" data-label="Text"> <p>0.65 mm</p> </div>	<div data-bbox="1203 1025 1366 1052" data-label="Text"> <p>Operating Life</p> </div> <div data-bbox="1197 1061 1372 1088" data-label="Text"> <p>100,000 cycles</p> </div> <div data-bbox="1197 1099 1372 1126" data-label="Text"> <p>100,000 cycles</p> </div>
<div data-bbox="185 1135 300 1169" data-label="Section-Header"> <p>No. 2</p> </div> <div data-bbox="153 1191 391 1319" data-label="Text"> <p>EVPAF</p> <p>(Embossed Taping)</p> <p>With J-bent terminals</p> </div> <div data-bbox="231 1538 347 1630" data-label="Image"> </div>	<div data-bbox="478 1180 753 1411" data-label="Diagram"> <p>(Adhesive) (Push plate)</p> </div> <div data-bbox="491 1473 740 1576" data-label="Diagram"> </div> <div data-bbox="491 1668 753 1850" data-label="Diagram"> </div> <div data-bbox="759 1162 778 1447" data-label="Text"> <p>(Without the remainder of the gate)</p> </div>	<div data-bbox="1099 1144 1437 1191" data-label="Text"> <p>General dimension tolerance : ± 0.1 () dimensions are reference dimensions.</p> </div> <div data-bbox="956 1171 1085 1355" data-label="Diagram"> </div> <div data-bbox="968 1429 1099 1538" data-label="Diagram"> <p>Circuit diagram</p> </div> <div data-bbox="922 1585 1197 1814" data-label="Diagram"> <p>PWB land pattern for reference</p> </div> <div data-bbox="805 1870 1287 1915" data-label="Text"> <p>Part of A-A' terminal is exposed at area. Any land pattern or vias shall not be provided at area.</p> </div>	
<div data-bbox="212 1942 368 1971" data-label="Text"> <p>Part Numbers</p> </div> <div data-bbox="218 1980 362 2007" data-label="Text"> <p>EVPAF5B70</p> </div> <div data-bbox="218 2016 362 2042" data-label="Text"> <p>EVPAF7B70</p> </div>	<div data-bbox="518 1942 700 1971" data-label="Text"> <p>Operating Force</p> </div> <div data-bbox="576 1980 641 2007" data-label="Text"> <p>3.4 N</p> </div> <div data-bbox="576 2016 641 2042" data-label="Text"> <p>2.4 N</p> </div>	<div data-bbox="909 1942 981 1971" data-label="Text"> <p>Height</p> </div> <div data-bbox="890 1980 994 2007" data-label="Text"> <p>0.7 mm</p> </div> <div data-bbox="890 2016 994 2042" data-label="Text"> <p>0.7 mm</p> </div>	<div data-bbox="1203 1942 1366 1971" data-label="Text"> <p>Operating Life</p> </div> <div data-bbox="1197 1980 1372 2007" data-label="Text"> <p>100,000 cycles</p> </div> <div data-bbox="1197 2016 1372 2042" data-label="Text"> <p>500,000 cycles</p> </div>

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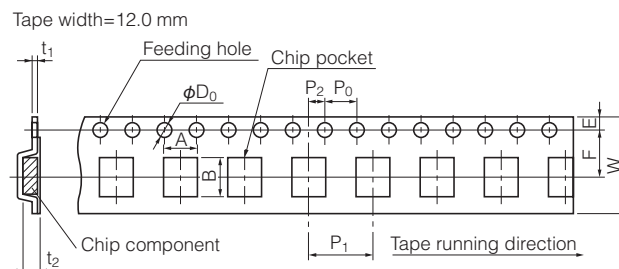
■ Dimensions in mm (not to scale)

<div>No. 3</div> <div>EVPAF</div> <div>Low profile (Embossed Taping)</div> <div>With J-bent terminals</div> <div></div>	<div>General dimension tolerance : ± 0.1 () dimensions are reference dimensions.</div> <div></div> <div></div> <div> Circuit diagram</div> <div> PWB land pattern for reference</div> <div>Part of A-A' terminal is exposed at  area. Any land pattern or vias shall not be provided at  area.</div>		
Part Numbers	Operating Force	Height	Operating Life
EVP0AFB65	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.

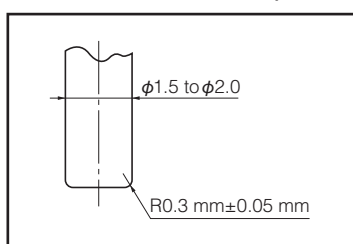
Peeling off strength of top tape : It should be within 0.2N to 1.0N at 165 degree in peeling off angle.

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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