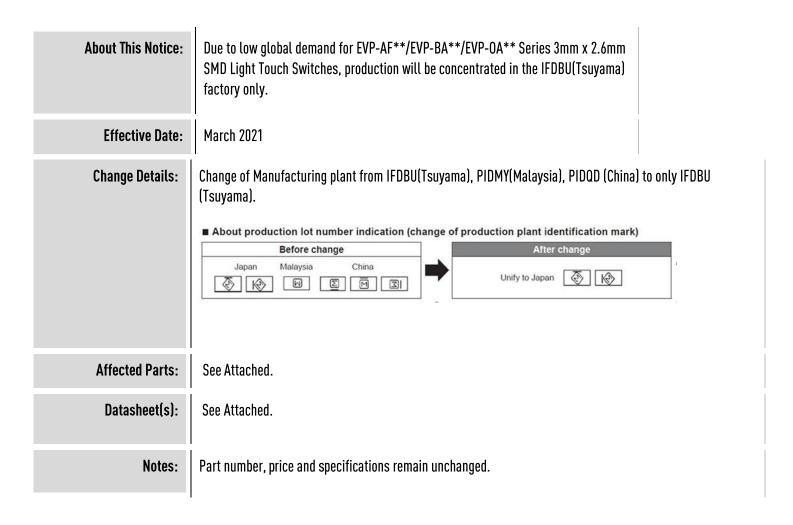


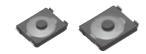
## Product Change Notice: EVP-AF\*\*/EVP-BA\*\*/EVP-OA\*\* Series 3mm x 2.6mm SMD Light Touch Switches

PCN.PG13.7.10.2020 7.10.2020



#### 3.0 mm×2.6 mm SMD Light Touch Switches

#### Type: **EVPAF/EVP0A**

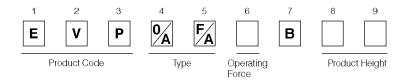


- Features
- External dimensions: 3.0 mm×2.6 mm, Height 0.65 mm, 0.70 mm
- High operability
   Equipped with an actuator (push plate)

#### ■ Recommended Applications

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

#### ■ Explanation of Part Numbers

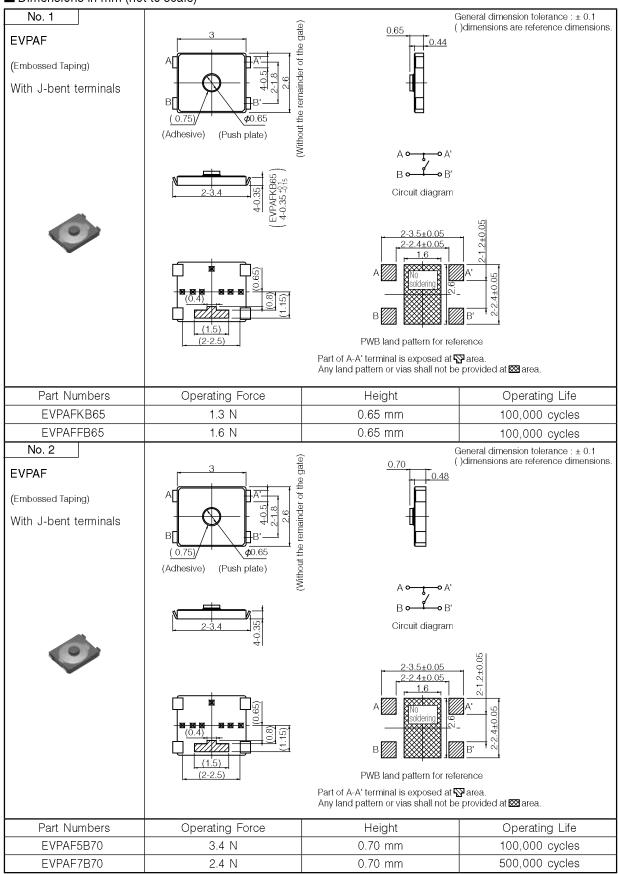


#### ■ Specifications

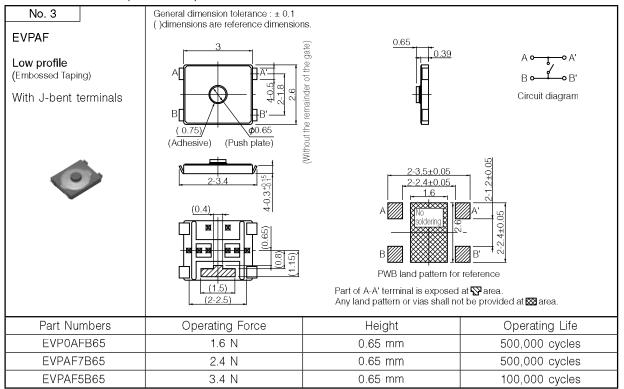
	Snap action/Push-on type SPST						
Rating	10 μA 2 V DC to 20 mA 15 V DC (Resistive load)						
Contact Resistance	500 mΩ max.						
Insulation Resistance	50 MΩ min. (at 100 V DC)						
Dielectric Withstanding Voltage	250 V AC for 1 minute						
Bouncing	10 ms max. (ON, OFF)						
Operating Force	1.3 N, 1.6 N, 2.4 N, 3.4 N						
Travel	0.15 mm						
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.						
perature	-40 °C to +85 °C						
rature	-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)						
ity/Packing Unit	8,000 pcs. Embossed Taping (Reel Pack)						
	40,000 pcs.						
	Contact Resistance Insulation Resistance Dielectric Withstanding Voltage Bouncing Operating Force Travel Operating Life Derature Stature Statu						

Note: Non washable

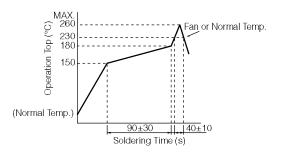
#### ■ Dimensions in mm (not to scale)



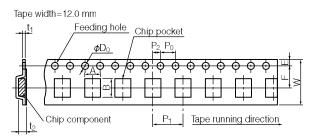
#### ■ Dimensions in mm (not to scale)



#### ■ 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.

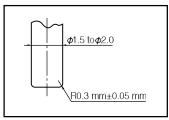
Peeling off strength of top tape: It should be within 0.2N to 1.0N at 165 degree in peeling off angle.

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

U	nit:	mm	

Part No.	Height	A	В	W	F	E	P1	P2	P <sub>0</sub>	D0 Dia	ţ1	<b>t</b> 2
EVPAF EVPOAF	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

#### ■ Recommended Shape of Test Pole



### Requests to customers

Please refer to "the latest product specifications" when designing your product. Requests to customers: https://industrial.panasonic.com/ac/e/salespolicies/

# **Safety Precautions**

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Electromechanical Control Business Division

1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8506, Japan

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# 3.0 mm×2.6 mm 2 terminals SMD Light Touch Switches

Type: **EVPBA** 

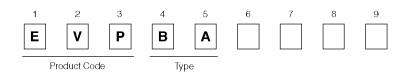


- Features
- External dimensions: 3.0 mm×2.6 mm, Height 0.58 mm
- High operability
   Equipped with an actuator (push plate)

#### ■ Recommended Applications

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

#### ■ Explanation of Part Numbers

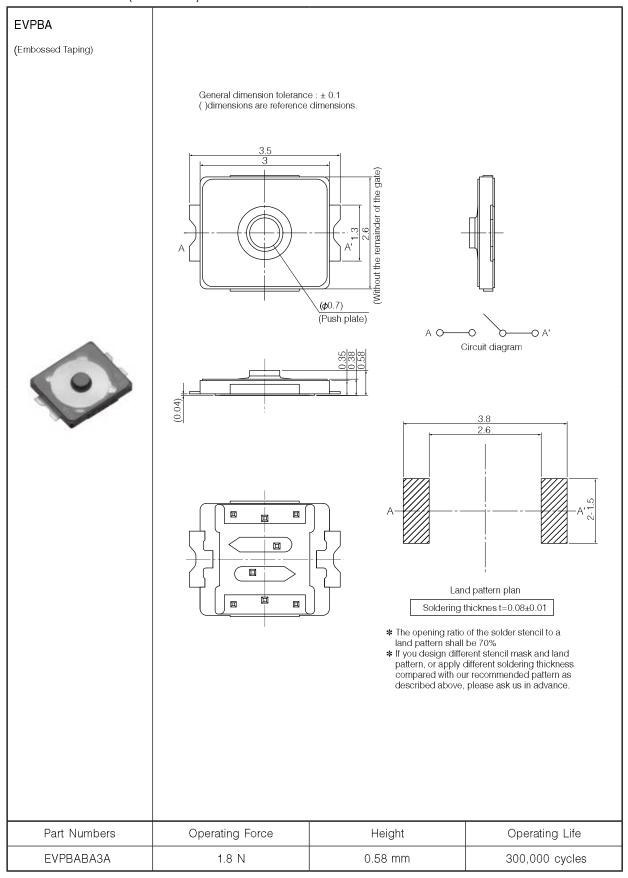


#### ■ Specifications

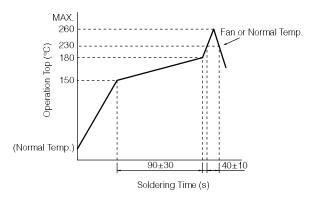
Type		Snap action/Push-on type SPST
	Rating	10 μA 2 V DC to 20 mA 15 V DC (Resistive load)
	Contact Resistance	500 mΩ max.
Electrical	Insulation Resistance	50 MΩ min. (at 100 V DC)
	Dielectric Withstanding Voltage	250 V AC for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Maahaniaal	Operating Force	1.8 N
Mechanical	Travel	0.13 mm
Endurance	Operating Life	300,000 cycles min.
Operating Tem	perature	−40 °C to +85 °C
Storage Temperature		-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)
Minimum Quar	ntity/Packing Unit	20,000 pcs. Embossed Taping (Reel Pack)
Quantity/Carto	n	100,000 pcs.

Note: Non washable

#### ■ Dimensions in mm (not to scale)



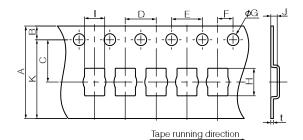
#### ■ Recommended Reflow Soldering Conditions



\* Reflow temperature may vary by location even in the same reflow condition. Please check the reflow temperature at terminals and at the top of a switch to make sure the both temperatures are withiin the specification. If even one of them is out of the specifications, please adjust.

#### Embossed Carrier Taping

Tape width=12.0 mm (A=12.0 mm)



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	В	С	D	E	F	G	Н		J	K	t
EVPBA	0.58	12.0±0.3	1.75±0.10	5.5±0.1	4.0±0.1	4.0±0.1	2.0±0.1	1.5±0.3	3.75±0.20	2.85±0.20	0.8±0.2	(10.25)	0.3 +0.15

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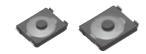
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# Panasonic PCN.PG13.7.10.2020 Affected Parts

Affected Series	Affected Part Numbers
EVP-AF*	EVP-AF5B65
	EVP-AF5B70
	EVP-AF7B65
	EVP-AF7B70
	EVP-AFFB65
	EVP-AFFG65
	EVP-AFGB65
	EVP-AFKB65
EVP-BA*	EVP-BABA3A
EVP-0A*	EVP-0AFB65

#### 3.0 mm×2.6 mm SMD Light Touch Switches

#### Type: **EVPAF/EVP0A**

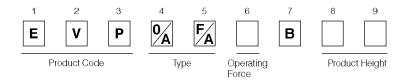


- Features
- External dimensions: 3.0 mm×2.6 mm, Height 0.65 mm, 0.70 mm
- High operability
   Equipped with an actuator (push plate)

#### ■ Recommended Applications

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

#### ■ Explanation of Part Numbers

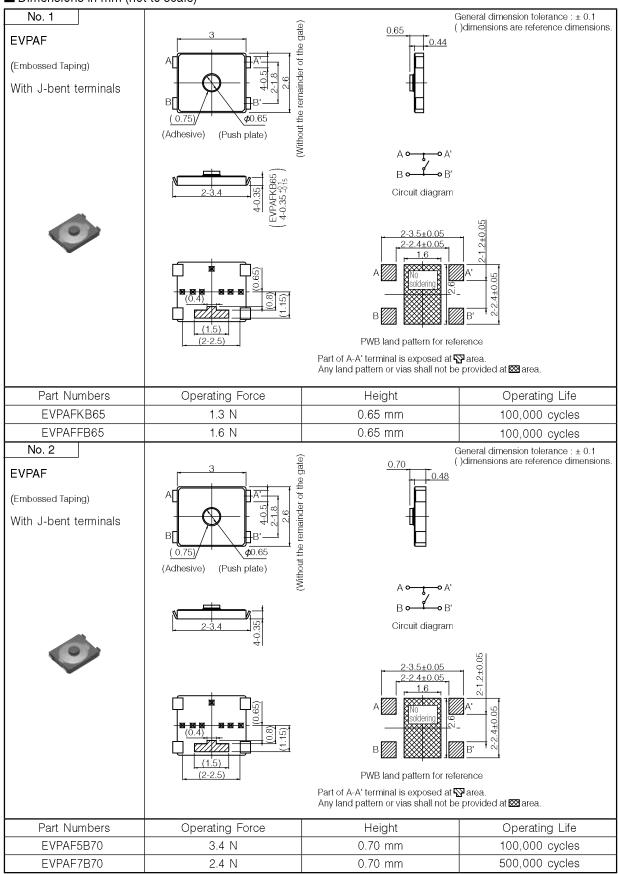


#### ■ Specifications

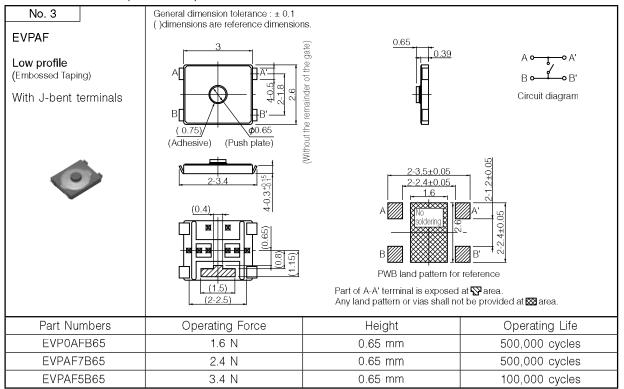
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Bouncing	10 ms max. (ON, OFF)						
Operating Force	1.3 N, 1.6 N, 2.4 N, 3.4 N						
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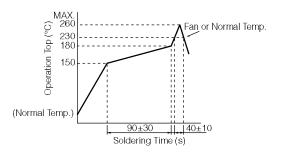
#### ■ Dimensions in mm (not to scale)



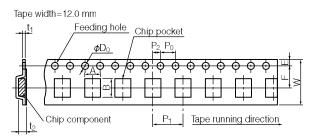
#### ■ Dimensions in mm (not to scale)



#### ■ Recommended Reflow Soldering Conditions



#### Embossed Carrier Taping



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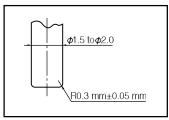
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Joint of carrier tape: One joint per one reel may exist.

U	nit:	mm	

Part No.	Height	A	В	W	F	E	P1	P2	P <sub>0</sub>	D0 Dia	ţ1	<b>t</b> 2
EVPAF EVPOAF	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

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