

## 3.0 mm×2.0 mm SMD Light Touch Switches

Type: **EVPAW**

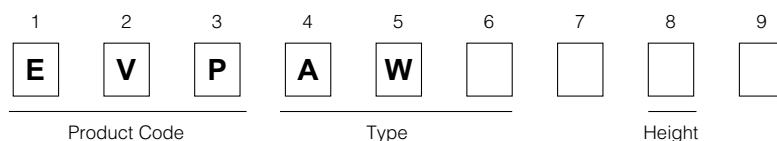
### ■ Features

- External dimensions: 3.0 mm×2.0 mm, Height 0.6 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 $\mu$ A 2 Vdc to 20 mA 15 Vdc (Resistive load)
	Contact Resistance	500 m $\Omega$ max.
	Insulation Resistance	50 M $\Omega$ min. (at 100 Vdc)
	Dielectric Withstanding Voltage	250 Vac for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	1.6 N, 2.4 N, 3.3 N
	Travel	1.6 N, 2.4 N : 0.13 mm    3.3 N : 0.15 mm
Endurance	Operating Life	300000 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		10000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		50000 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.

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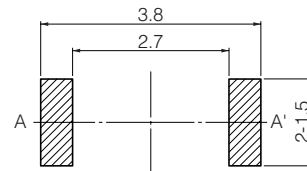
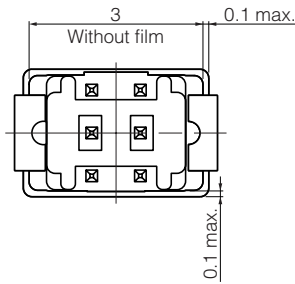
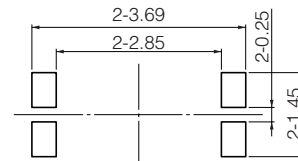
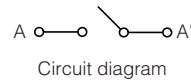
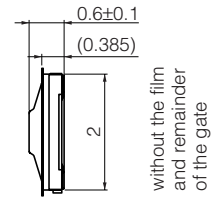
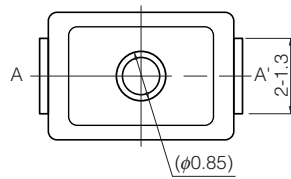
■ Dimensions in mm (not to scale)

EVPAW

(Embossed Taping)

General dimension tolerance :  $\pm 0.05$   
( ) dimensions are reference dimensions.

This reference specifications are subject to change.



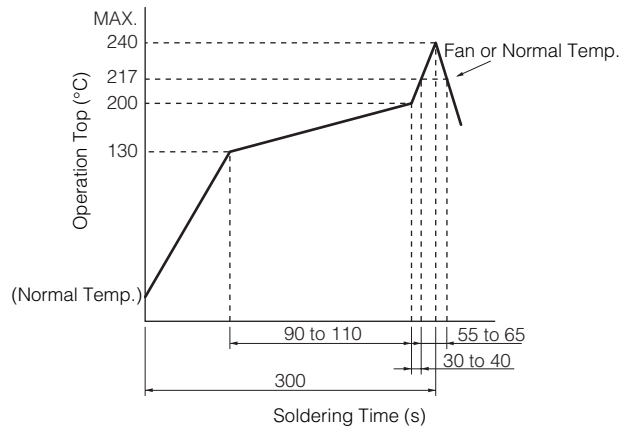
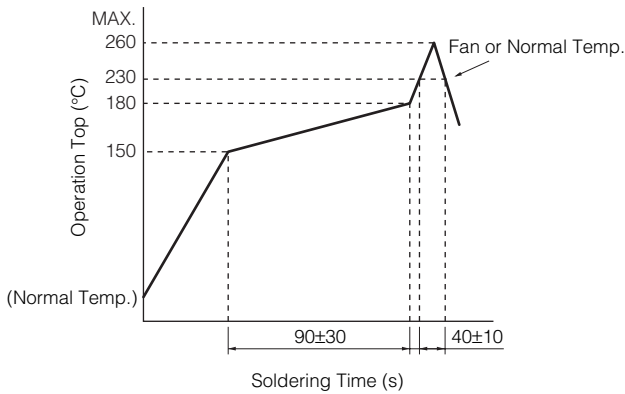
PWB land pattern for reference

Soldering thickness  $t=0.08\pm0.01$

\* If you design different stencil mask and land pattern, or apply different soldering thickness compared with our recommended pattern as described above, please ask us in advance.

Part Numbers	Operating Force	Height	Operating Life
EVPAWBA2A	1.6 N	0.6 mm	300000 cycles
EVPAWCA2A	2.4 N	0.6 mm	300000 cycles
EVPAWEA2A	3.3 N	0.6 mm	300000 cycles

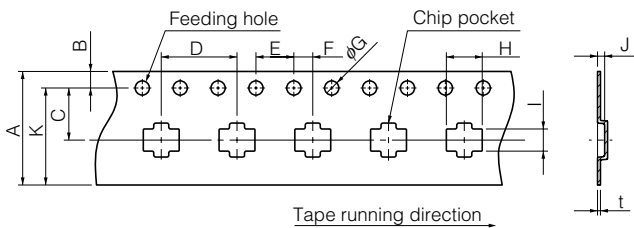
■ Recommended Reflow Soldering Conditions



\*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 within the specification. If even one of them is out of the specifications, please adjust.

● Embossed Carrier Taping

Tape width=12.0 mm

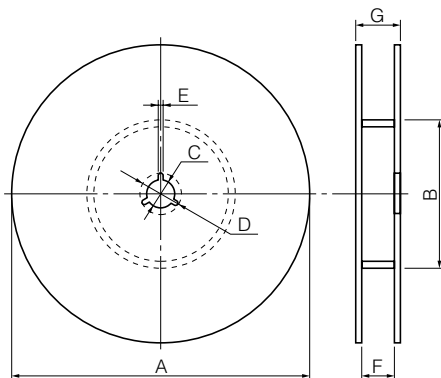


Taping condition : Lack of products in the middle of taping should be one MAX, but total quantity specified in the specifications should be secured.  
 Peeling off strength of top tape : It should be within 0.2N to 1.0N at 165 degree in peeling off angle.  
 Joint of carrier tape : One joint per one reel may exist.

Unit: mm

Part No.	Height	A	B	C	D	E	F	G	H	I	J	K	t
EVPAW	0.6	12.0±0.3	1.75±0.10	5.5±0.1	8.0±0.1	4.0±0.1	2.0±0.1	1.5±0.3	3.8±0.2	2.3±0.2	0.75±0.20	(10.25)	0.3 <sup>+0.15</sup> / <sub>-0.10</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	F	G
Rate (mm)	13.5±1.0	17.5±1.0

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