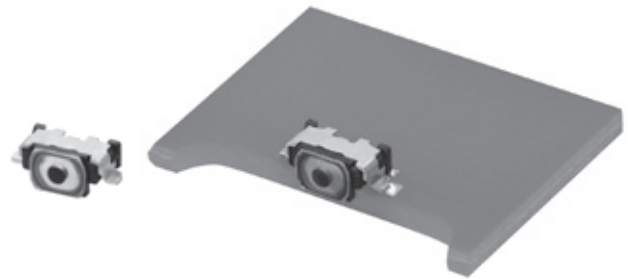


### 3.4 mm×1.7 mm Side-operational Edge-mount Light Touch Switches

**!** Partly to Be Discontinued  
Last time buy: May 31, 2017

Type: **EVPAT**



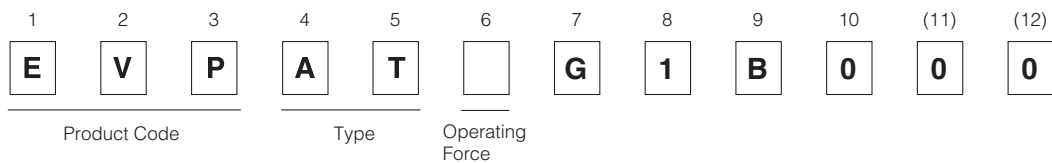
#### ■ Features

- External dimensions : 3.4 mm×1.7 mm (Excluding the push plate), Height 1.6 mm (Printed circuit board being as low as 1.105 mm)
- High operability  
Equipped with an actuator (push plate)
- IP67

#### ■ Recommended Applications

- Operation switches for portable electronic equipment  
(Mobile phones, Digital still cameras, Camcorders Portable audio players, etc.)

#### ■ Explanation of Part Numbers



#### ■ Specifications

Type	Snap action/Push-on type SPST	
Electrical	Rating	10 $\mu$ A 2 V DC to 20 mA 15 V DC (Resistive load)
	Contact Resistance	500 m $\Omega$ max.
	Insulation Resistance	50 M $\Omega$ min. (at 100 V DC)
	Dielectric Withstanding Voltage	250 V AC for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	1.6 N
	Travel	0.11 mm
Endurance	Operating Life	500,000 cycles
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		10,000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		50,000 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.

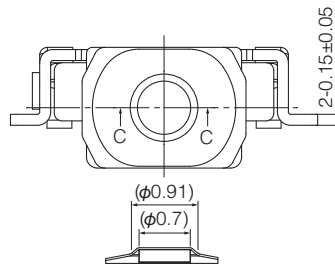
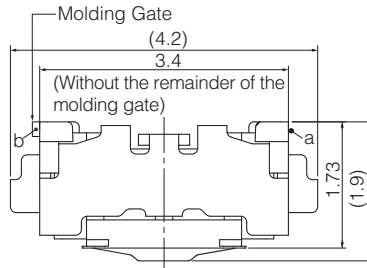
### ■ Dimensions in mm (not to scale)

EVPAT

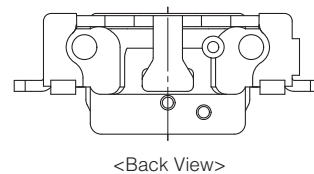
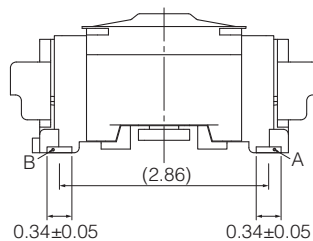
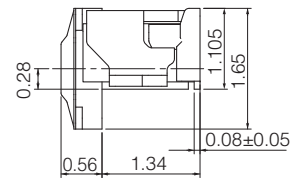
(Embossed Taping)

General dimension tolerance :  $\pm 0.1$

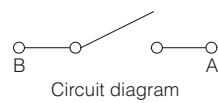
( ) dimensions are reference dimensions.  
This reference specifications are subject to change.



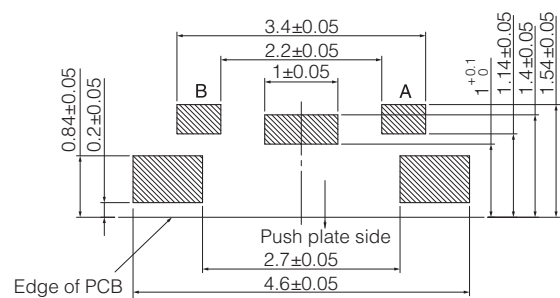
Actuator cross section (Section C-C)



<Back View>



Circuit diagram



Land pattern plan

Soldering thickness  $t=0.12\pm0.02$

Part Numbers

Operating Force

Height

Operating Life

EVPAT2G1B000

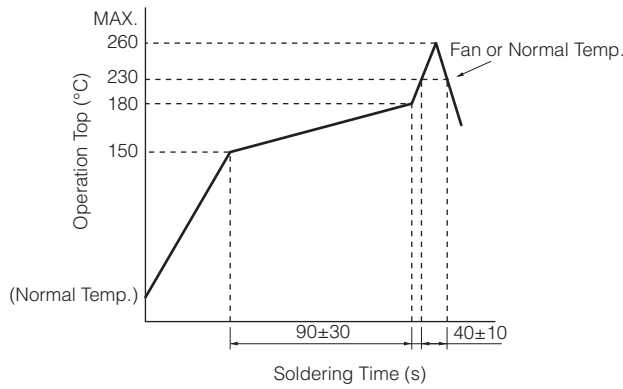
1.6 N

1.105 mm

500,000 cycles

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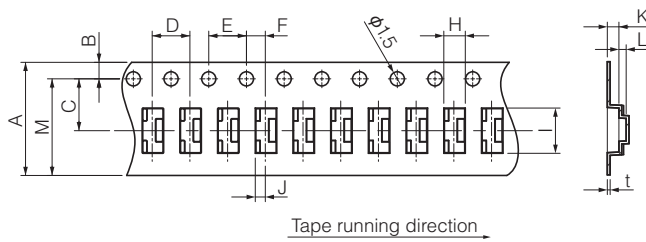
## ■ Recommended Reflow Soldering Conditions



\* 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 (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.

Part No.	Height	A	B	C	D	E	F	G	H	I	J	K	L	J	t
EVPAT	1.105	12.0±0.2	1.75±0.10	5.50±0.05	4.0±0.1	4.0±0.1	2.00±0.05	1.5 <sup>+0.1</sup> <sub>-0.1</sub>	2.28±0.20	4.8±0.2	(1.065)	1.23±0.10	0.77±0.10	(10.25)	0.30±0.05

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