3.5 mm×2.9 mm SMD Light Touch Switches

Type: **EVPAA**

■ Features

- External dimensions : 3.5 mm×2.9 mm, Height 1.7 mm
- High operating force available
  (Operating force : 7.0 N max.)
- Optional ground terminal

■ Recommended Applications

- Operation switches for portable electronic equipments
  (Mobile phones, Digital still cameras, etc.)
- Operating switches for keyless entry systems

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9
E	V	P	A	A		0	2	
Product Code			Type		Operating Force	Product Height		Push Plate Color

■ 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	100 mΩ max.
	Insulation Resistance	100 MΩ min. (at 100 V DC)
	Dielectric Withstanding Voltage	250 V AC for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	1.0 N, 1.6 N, 2.4 N, 3.5 N, 5.0 N, 7.0 N
	Travel	0.15 mm±0.1 mm
Endurance	Operating Life	1,000,000 cycles min. (1.0 N) 500,000 cycles min. (3.5 N) 200,000 cycles min. (1.6 N, 2.4 N, 3.5 N) 100,000 cycles min. (5.0 N, 7.0 N)
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		5,000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		25,000 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.

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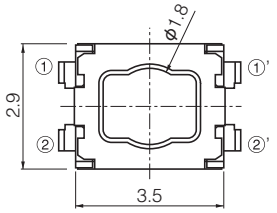
■ Dimensions in mm (not to scale)

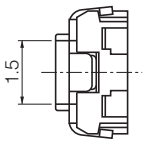
No. 1

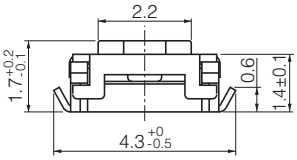
EVPAA

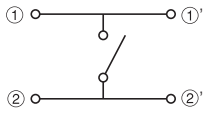
(Embossed Taping)
Thickness : 1.7 mm
With J-bent terminals
Without
Ground Terminal

(Tolerance ±0.2)
( )dimensions are reference dimensions.

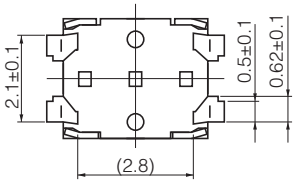


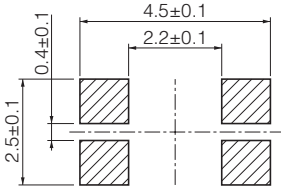






Circuit diagram





PWB land pattern for reference

Part Numbers	Ground Terminal	Operating Force	Push Plate Color	Operating Life
EVPAA002K	Without	1.0 N	Black	1,000,000 cycles
EVPAA202K	Without	1.6 N	Black	200,000 cycles
EVPAA402W	Without	2.4 N	White	200,000 cycles
EVPAA602W	Without	3.5 N	White	200,000 cycles
EVPAAM02W	Without	3.5 N	White	500,000 cycles
EVPAA802Q	Without	5.0 N	Gray	100,000 cycles
EVPAAN02Q	Without	5.0 N	Gray	100,000 cycles (High load : 10N)
EVPAAU02Q	Without	7.0 N	Gray	100,000 cycles

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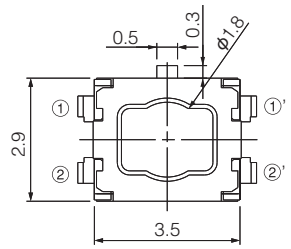
■ Dimensions in mm (not to scale)

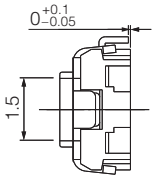
No. 2

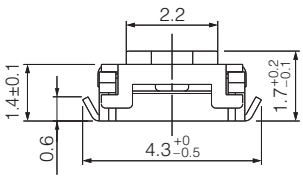
EVPAA

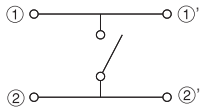
(Embossed Taping)
Thickness : 1.7 mm
With J-bent terminals
With
Ground Terminal

(Tolerance ±0.2)
( )dimensions are reference dimensions.

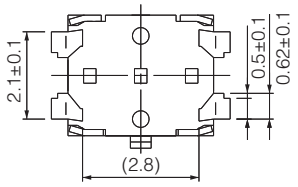


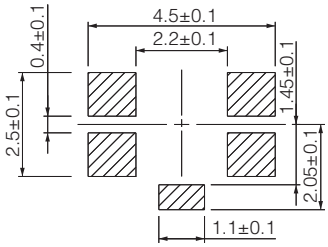






Circuit diagram





PWB land pattern for reference

Part Numbers	Ground Terminal	Operating Force	Push Plate Color	Operating Life
EVPAA102K	With	1.0 N	Black	1,000,000 cycles
EVPAA302K	With	1.6 N	Black	200,000 cycles
EVPAA502W	With	2.4 N	White	200,000 cycles
EVPAA702W	With	3.5 N	White	200,000 cycles
EVPAAQ02W	With	3.5 N	White	500,000 cycles
EVPAA902Q	With	5.0 N	Gray	100,000 cycles
EVPAAR02Q	With	5.0 N	Gray	100,000 cycles (High load : 10N)

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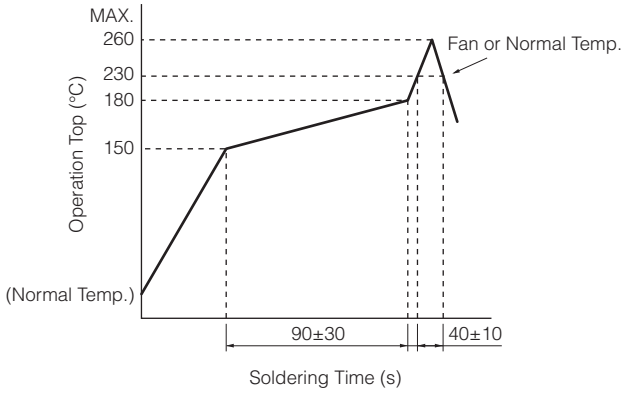
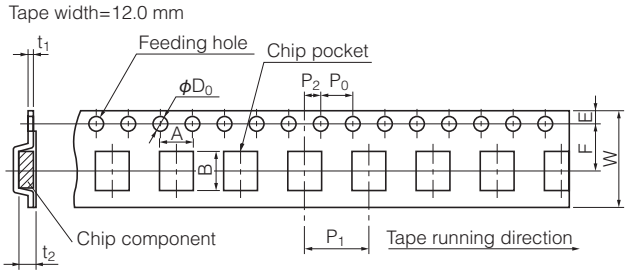
■ Recommended Reflow Soldering Conditions



● Embossed Carrier Taping

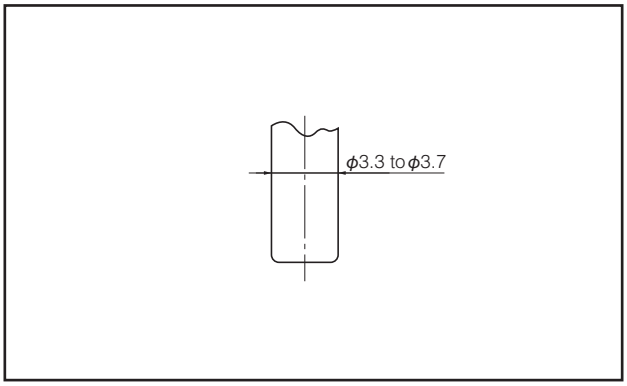


Taping condition : Lack of products in the middle of taping should be one MAX, but total quantity specified in the specifications should be secured.
Peeling off strength of top tape : It should be within 0.2N to 1. ON at 165 degree in peeling off angle.
Joint of carrier tape : One joint per one reel may exist.

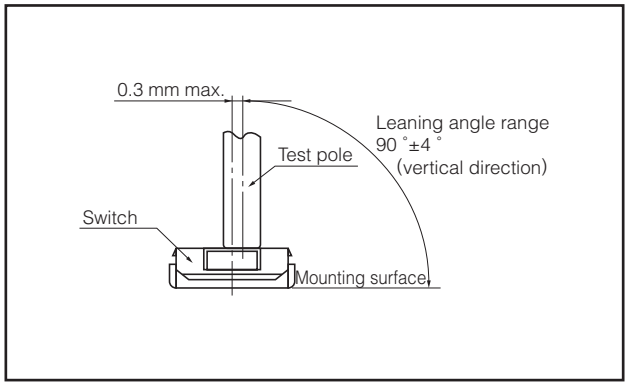
Unit: mm

Part No.	Height	A	B	W	F	E	P_1	P_2	P_0	D_0 Dia	t_1	t_2
EVPAA	1.7	4.5±0.2	3.8±0.2	12.0±0.3	5.5±0.1	1.75±0.10	8.0±0.1	2.0±0.1	4.0±0.1	$1.5^{+0.1}_{0}$	0.3±0.1	1.85±0.20

■ Recommended Shape of Test Pole



■ Recommended Operating Conditions



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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panasonic:

EVP-AA102K EVP-AA302K EVP-AA502W EVP-AA702W EVP-AA902Q EVP-AA002K EVP-AA202K EVP-AA402W EVP-AA602W EVP-AA802Q EVP-AAM02W EVP-AAN02Q EVP-AAU02Q EVP-AAQ02W EVP-AAR02Q

Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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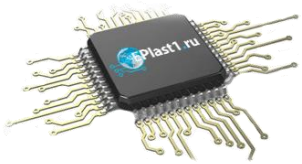
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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