

3.5 mm×2.9 mm Side-operational Half Dive /SMD Light Touch Switches

Type: **EVPAN**



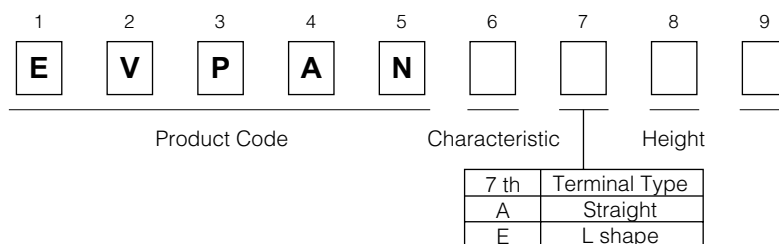
■ Features

- External dimensions : 3.5 mm×2.9 mm, Height 1.2 mm
- Printed circuit board on height : 0.7 mm
- High mount ability

■ Recommended Applications

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

■ Explanation of Part Numbers


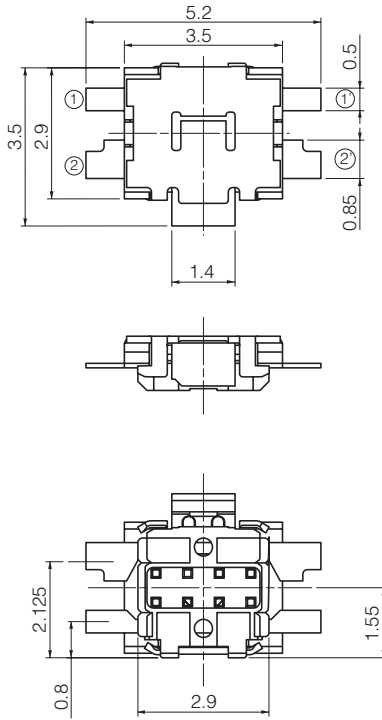
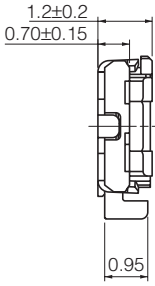
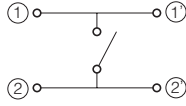
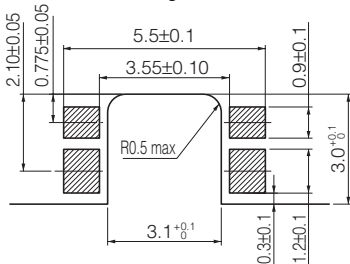



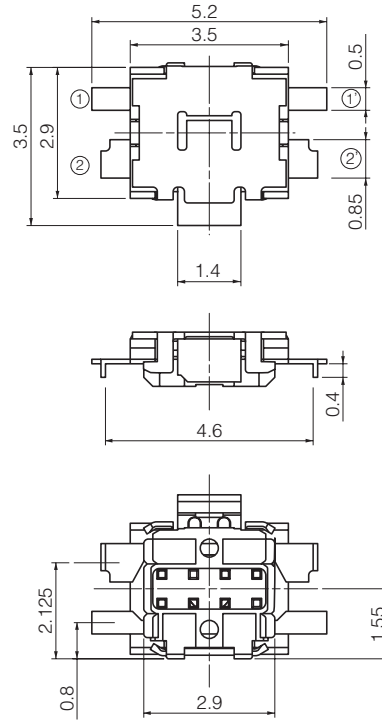
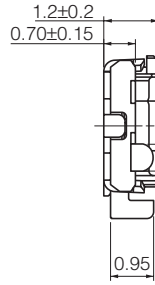
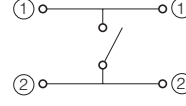
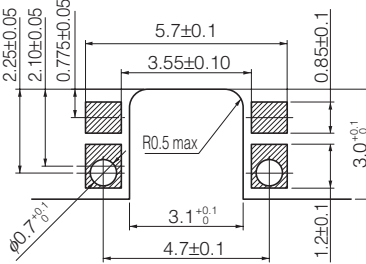
■ Specifications

Type		Snap action / Push-on type SPST
Electrical	Rating	10 μ A 2 Vdc to 50 mA 12 Vdc (Resistive load)
	Contact Resistance	500 m Ω max.
	Insulation Resistance	100 M Ω min. (at 100 Vdc)
	Dielectric Withstanding Voltage	250 Vac (1 minute)
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	1.6 N, 2.2 N
	Push Travel	0.2 mm
	Push Strength	70 N (1 minute)
Endurance	Operating Life	100000 cycles min.
Operating Temperature		-20 °C to +70 °C
Storage Temperature		-40 °C to +85 °C (Bulk)
		-20 °C to +60 °C (Taping)
Minimum Quantity/Packing Unit		7000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		35000 pcs.

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.

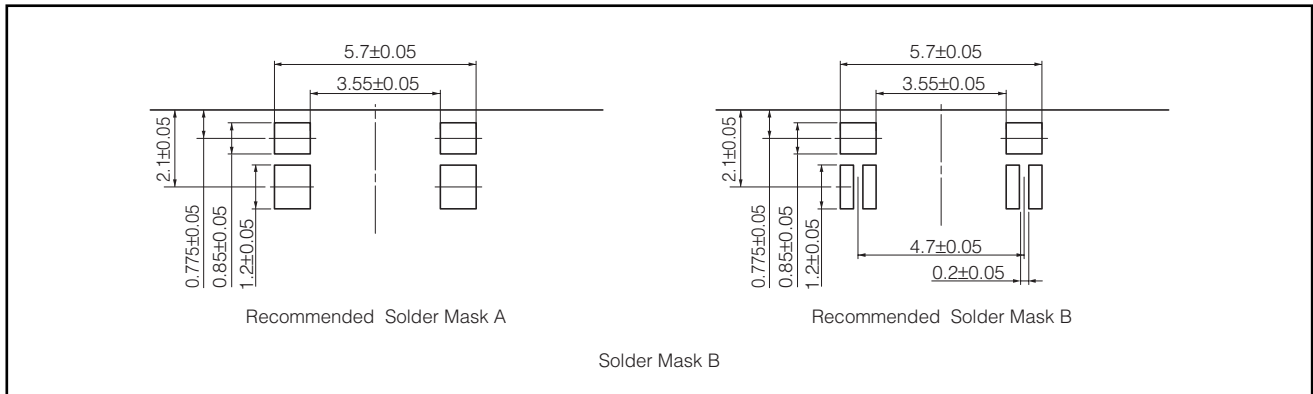
■ Dimensions in mm (not to scale)

<div>EVPANA EVPAND</div> <div>(Embossed Taping)</div> <div>Straight terminals</div> <div></div>	<div></div> <div></div> <div><div>Circuit diagram</div></div> <div></div> <div>PWB land pattern for reference</div>			
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVPANAA1A	1.6 N	0.7 mm	Black	100000 cycles
EVPANDA1A	2.2 N	0.7 mm	Black	100000 cycles
EVPANBA1A	1.6 N	0.7 mm	Black	500000 cycles

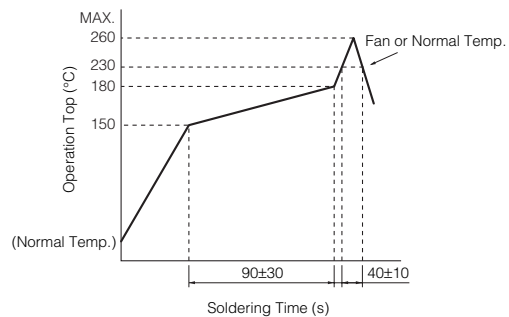
<div>EVPAND EVPANB</div> <div>(Embossed Taping)</div> <div>Straight terminals</div> <div></div>	<div></div> <div></div> <div><div>Circuit diagram</div></div> <div></div> <div>PWB land pattern for reference</div>			
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVPANDE1A	2.2 N	0.7 mm	Black	100000 cycles
EVPANBE1A	1.6 N	0.7 mm	Black	500000 cycles

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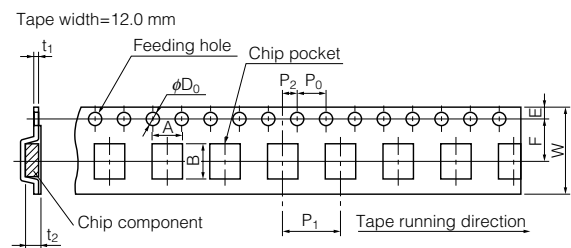
■ Recommended Solder Mask



■ Recommended Reflow Soldering Conditions



● Embossed Carrier Taping

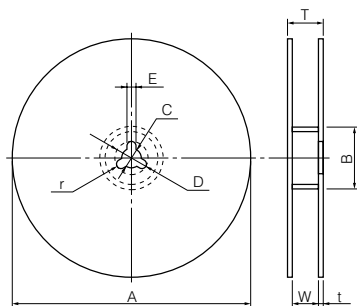


● Straight terminals

Unit: mm

Part No.	Height	A	B	W	F	E	P ₁	P ₂	P ₀	D ₀ Dia.	t ₁	t ₂
EVPAN	1.2	5.6±0.2	4.5±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	1.35±0.20

● 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	W	T	t	r	
Rate (mm)	13.5±1.0	17.5±1.0	1.0~3.0	1.0±0.5	