

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

Type: **EVPAN**



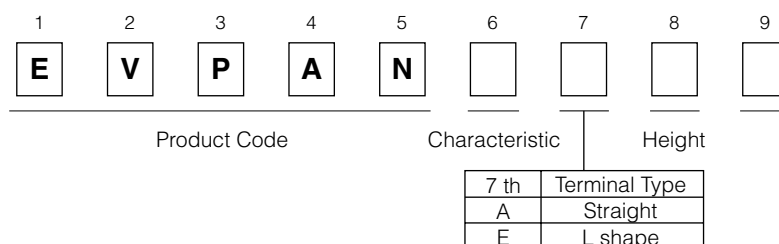
■ Features

- 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

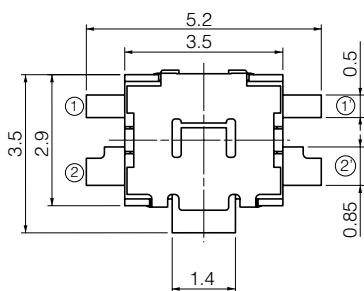
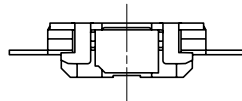
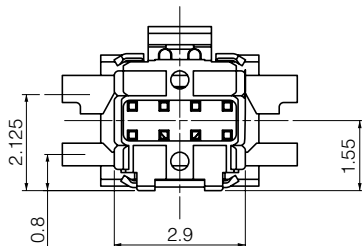
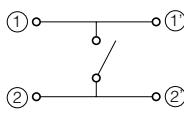
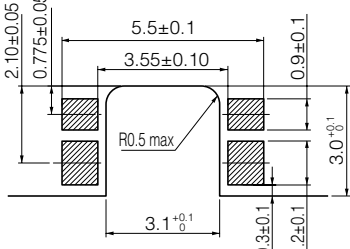


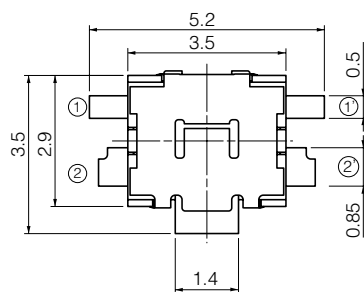
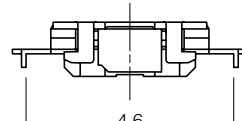
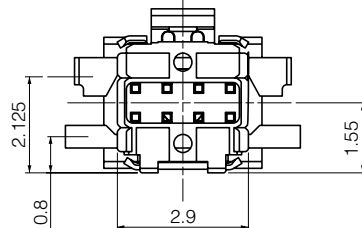
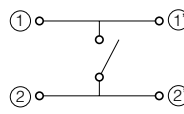
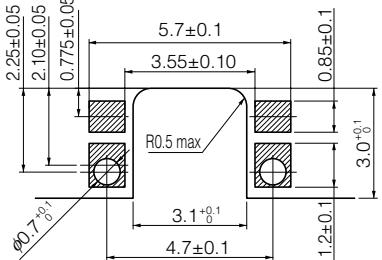
■ Specifications

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.

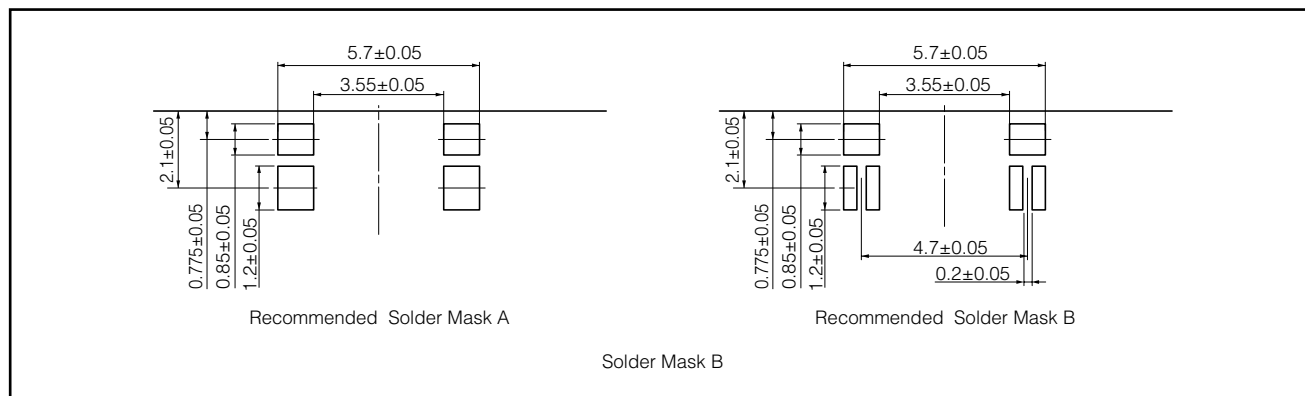
■ Dimensions in mm (not to scale)

EVPANA EVPAND (Embossed Taping) Straight terminals 	    Circuit diagram  PWB land pattern for reference			
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

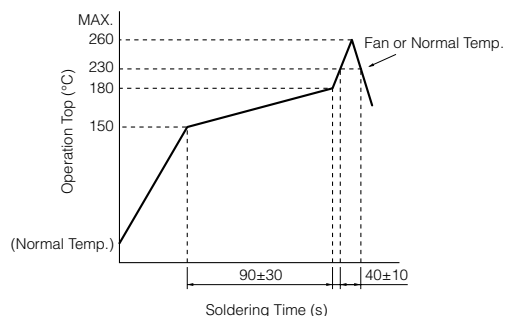
EVPAND EVPANB (Embossed Taping) L-shape terminals 	    Circuit diagram  PWB land pattern for reference			
Part Numbers	Operating Force	Height	Push Plate Color	Operating Life
EVPANDE1A	2.2 N	0.7 mm	Black	100000 cycles
EVPANBE1A	1.6 N	0.7 mm	Black	500000 cycles

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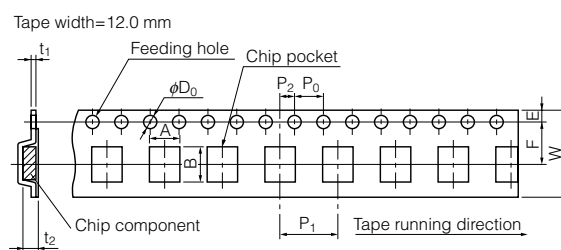
Recommended Solder Mask



Recommended Reflow Soldering Conditions



Embossed Carrier Taping

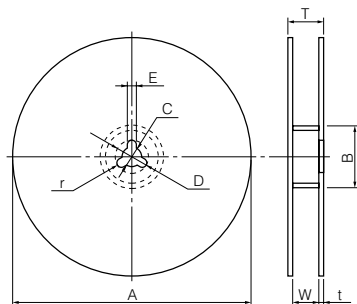


Straight terminals

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 to 3.0	1.0±0.5