### **Panasonic**

Light Touch Switches/EVPAN

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

Type: **EVPAN** 

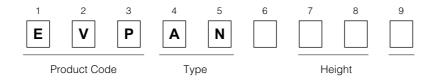


- Features
- External dimensions : 3.5 mm×2.9 mm, Height 1.2 mm
- Printed circuit board on height: 0.7 mm
- High mount ability

#### ■ Recommended Applications

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

#### ■ Explanation of Part Numbers

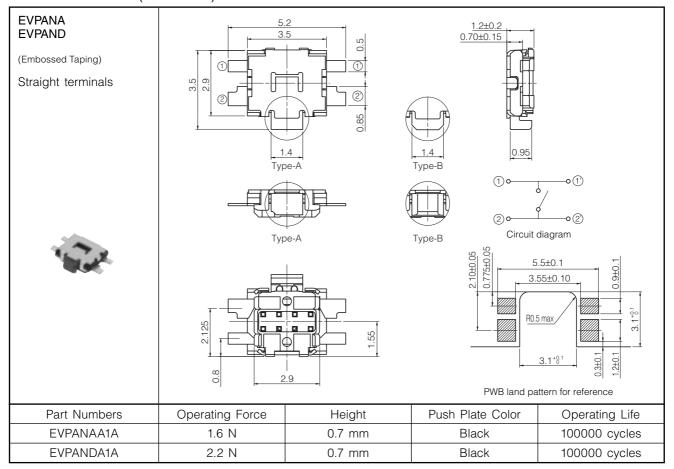


#### ■ Specifications

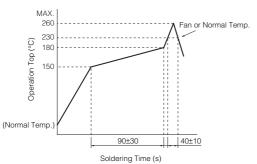
Type		Snap action / Push-on type SPST			
	Rating	10 μA 2 Vdc to 50 mA 12 Vdc (Resistive load			
Electrical	Contact Resistance	500 m $\Omega$ max.			
	Insulation Resistance	100 M $\Omega$ min. (at 100 Vdc)			
	Dielectric Withstanding Voltage	250 Vac (1 minute)			
	Bouncing	10 ms max. (ON, OFF)			
Mechanical	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.			

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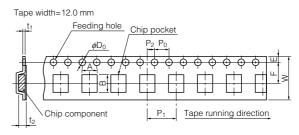
#### ■ Dimensions in mm (not to scale)



#### ■ Recommended Reflow Soldering Conditions



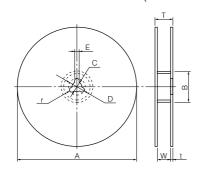
#### Embossed Carrier Taping



#### Straight terminals

<ul> <li>Straight termina</li> </ul>	ls											Unit: mm
Part No.	Height	А	В	W	F	E	P <sub>1</sub>	$P_2$	Po	D₀ Dia.	t1	t <sub>2</sub>
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 <sup>±8·1</sup>	0.3±0.1	1.35±0.20

#### Standard Reel Dimensions in mm (not to scale)



Item	А	В	С	D	E	
Rate (mm)	Rate (mm) \$\phi 380.0±2.0\$		φ13.0±0.5	φ21.0±1.0	2.0±0.5	
Item	W	Т	t	r		
Rate (mm)	13.5±1.0	17.5±1.0	1.0~3.0	1.0±0.5		