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[EVP-ADK04K](#)

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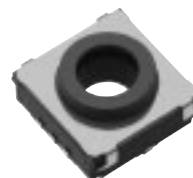
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# Panasonic

## Light Touch Switches/EVPAD

### 10 mm Square Center Space Long Travel SMD Light Touch Switches

Type: **EVPAD**



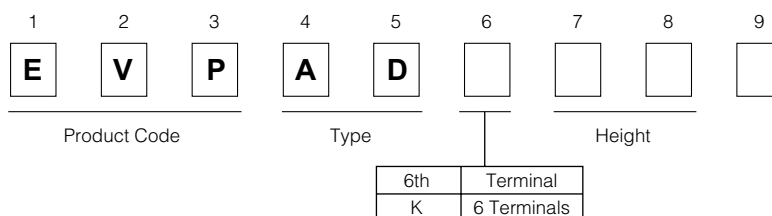
#### ■ Features

- The open center space allows for flexibility in choosing a LED  
Up to a 4.2-mm diameter chip LED can be mounted.
- Provides an excellent operational feel.
  - Crisp tactile feedback
  - Long stroke (1 mm)
- Supports auto reflow soldering.

#### ■ Recommended Applications

- Operating switches for car electronic equipment (car audio systems, car air conditioners, etc.)

#### ■ Explanation of Part Numbers



#### ■ Specifications

Type		Snap action/Push-on type SPST
Electrical	Rating	10 $\mu$ A 2 Vdc to 50 mA 12 Vdc (Resistive load)
	Contact Resistance	100 m $\Omega$ max.
	Insulation Resistance	100 M $\Omega$ min. (at 100 Vdc)
	Dielectric Withstanding Voltage	250 Vac for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	4.0 N $\pm$ 0.8 N
	Travel	1.0 mm $\pm$ 0.15 mm
Endurance	Operating Life	100000 cycles min.
Operating Temperature		-40 $^{\circ}$ C to +85 $^{\circ}$ C
Storage Temperature		-40 $^{\circ}$ C to +85 $^{\circ}$ C (Bulk) -20 $^{\circ}$ C to +60 $^{\circ}$ C (Taping)
Minimum Quantity/Packing Unit		1000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		5000 pcs.

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## Light Touch Switches/EVPAD

### ■ Dimensions in mm (not to scale)

**EVPADK04K**  
(Embossed Taping)

LED implementation position

LED implementation area

(Plastic projection)

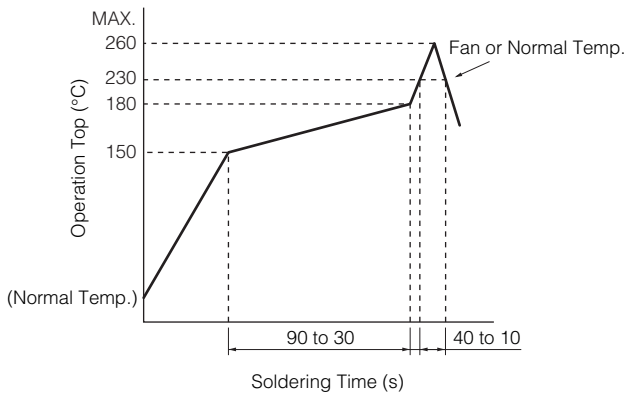
Circuit Diagram

PWB land pattern for reference

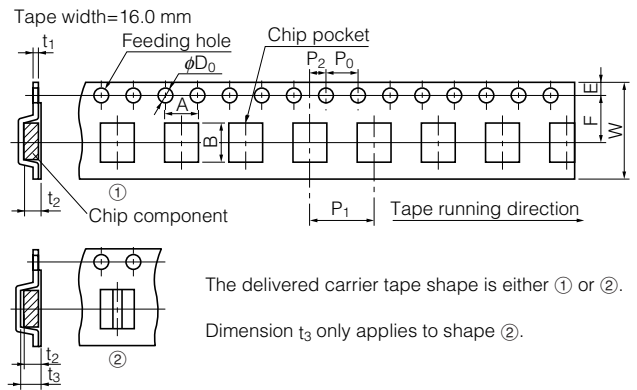
(Precautions for pattern design)

- \* Note that the terminals are exposed at the sections shaded with "▨"
- \* Establish electrical connection at A1, A2, A3, and A4 to improve the contact performance.

### ■ Recommended Reflow Soldering Conditions



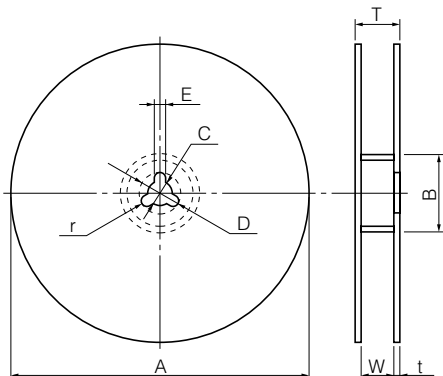
### ● Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P1	P2	P0	D <sub>0</sub> Dia	t1	t2	t3
EVPAD	4.6	10.7±0.2	10.7±0.2	16.0±0.3	7.5±0.1	1.75±0.10	12.0±0.1	2.0±0.1	4.0±0.1	1.5 <sup>+0.1</sup> <sub>0</sub>	0.40±0.05	4.8±0.2	5.8±2.0

### ● 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)	17.5±0.5	21.5±1.0	—	—	