## : ©hipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation, and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!


## Contact us

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## $3.5 \mathrm{~mm} \times 2.9 \mathrm{~mm}$ Side-operational Half Dive

## /SMD Light Touch Switches

## тype: EVPAN

## Features

- External dimensions : $3.5 \mathrm{~mm} \times 2.9 \mathrm{~mm}$, 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 | $10 \mu \mathrm{~A} 2 \mathrm{Vdc}$ to 50 mA 12 Vdc (Resistive load) |
|  | Contact Resistance | $500 \mathrm{~m} \Omega$ max. |
|  | Insulation Resistance | $100 \mathrm{M} \Omega$ min. (at 100 Vdc ) |
|  | Dielectric Withstanding Voltage | 250 Vac (1 minute) |
|  | Bouncing | $10 \mathrm{~ms} \mathrm{max}$. (ON, OFF) |
| Mechanical | Operating Force | $1.6 \mathrm{~N}, 2.2 \mathrm{~N}$ |
|  | Push Travel | 0.2 mm |
|  | Push Strength | 70 N (1 minute) |
| Endurance | Operating Life | 100000 cycles min. |
| Operating Temperature |  | $-20^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$ |
| Storage Temperature |  | $\begin{aligned} & -40^{\circ} \mathrm{C} \text { to }+85^{\circ} \mathrm{C} \text { (Bulk) } \\ & -20^{\circ} \mathrm{C} \text { to }+60^{\circ} \mathrm{C} \text { (Taping) } \end{aligned}$ |
| 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.

Dimensions in mm (not to scale)


[^0] Should a safety concern arise regarding this product, please be sure to contact us immediately.

Recommended Solder Mask


Recommended Reflow Soldering Conditions


- Embossed Carrier Taping
Tape width $=12.0 \mathrm{~mm}$

- Straight terminals

Unit: mm

| Part No. | Height | A | B | W | F | E | $\mathrm{P}_{1}$ | $\mathrm{P}_{2}$ | $\mathrm{P}_{0}$ | $\mathrm{D}_{0}$ Dia. | $\mathrm{t}_{1}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EVPAN | 1.2 | $5.6 \pm 0.2$ | $4.5 \pm 0.2$ | $12.0 \pm 0.3$ | $5.5 \pm 0.1$ | $1.75 \pm 0.10$ | $8.0 \pm 0.1$ | $2.0 \pm 0.1$ | $4.0 \pm 0.1$ | $1.5 \pm 0 . \mathrm{t}_{2}$ | $0.3 \pm 0.1$ |

- Standard Reel Dimensions in mm (not to scale)


| Item | A | B | C | D | E |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Rate (mm) | $\phi 380.0 \pm 2.0$ | $\phi 80.0 \pm 1.0$ | $\phi 13.0 \pm 0.5$ | $\phi 21.0 \pm 1.0$ | $2.0 \pm 0.5$ |


| Item | W | T | t | r |
| :---: | :---: | :---: | :---: | :---: |
| Rate (mm) | $13.5 \pm 1.0$ | $17.5 \pm 1.0$ | 1.0 to 3.0 | $1.0 \pm 0.5$ |


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