

# TPS 850 Series Microminiature SMT Top Actuated

## Features/Benefits

- 3.0 x 2.7 mm footprint
- Three different heights
- High number of cycles
- Reduced footprint

## Typical Applications

- Control panels
- Nomad devices
- Remote controls
- Keyless entry system

## Specifications

FUNCTION: momentary action

CONTACT ARRANGEMENT: 1 make contact = SPST N.O.

TERMINALS: J type for SMT

TRAVEL: 0.2mm + 0.1mm / -0.05 mm

	Operating Force (gf)	Life Cycles	Height mm	Pegs
TPS850 J14B V SMTR LFS	80 ± 50	200,000	1.4	No
TPS850 J14C V SMTR LFS	120 ± 50	100,000	1.4	No
TPS850 J14M V SMTR LFS	160 ± 50	200,000	1.4	No
TPS850 J14K V SMTR LFS	250 ± 50	100,000	1.4	No
TPS850 J14Q V SMTR LFS	400 ± 50	100,000	1.4	No

## Electrical

MAXIMUM VOLTAGE:	12 VDC
MAXIMUM CURRENT DC:	50 mA
DIELECTRIC STRENGTH:	100 VA C (1mn)
CONTACT RESISTANCE:	≤ 100 mΩ
INSULATION RESISTANCE:	≥ 100 MΩ
BOUNCE TIME:	≤ 10 ms

## Environmental

OPERATING TEMPERATURE: -40°C to 85°C

## Process

SOLDERING: This component is suited to the following methods:  
Infrared Reflow Soldering in accordance with IEC61760-1

**NOTE:** Specifications listed above are for switches with standard options.  
For information on specific and custom switches, consult Customer Service Center.

## Packaging

Switches in reels of 2,500 pieces for 1.5 and 2.0 mm height

Switches in reels of 2,300 pieces for 2.5 mm height

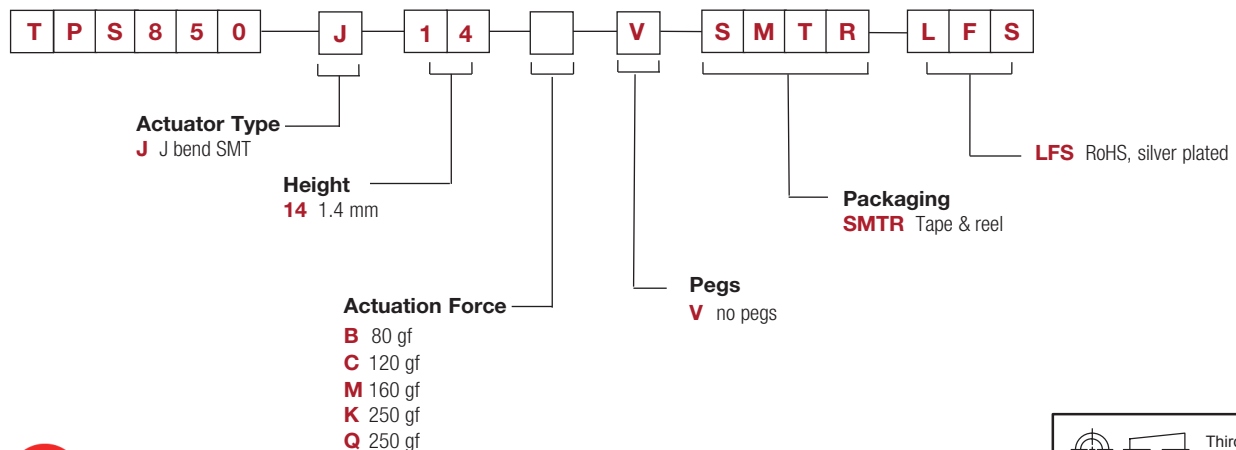
Dimensions of reels according to EIA 481B

External diameter 330 mm

## How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

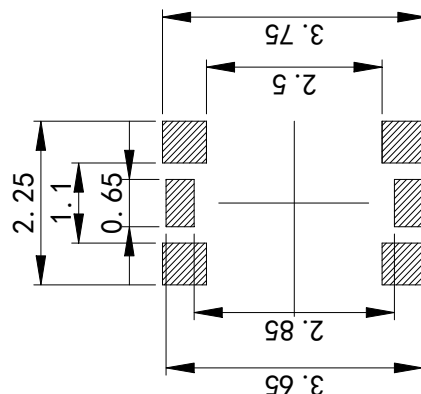
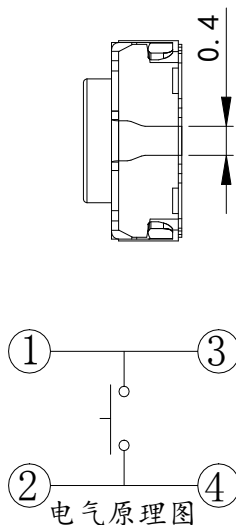
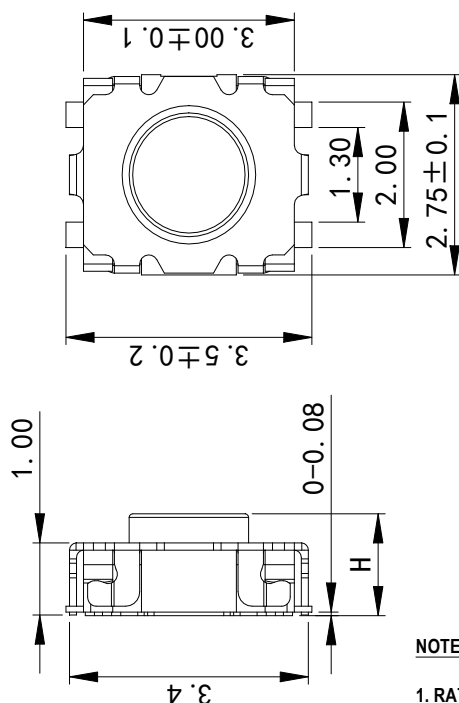
For any part number different from those listed above, please consult your local representative.



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1.4 mm height (H) - version shown here with pegs

Tactile Switches



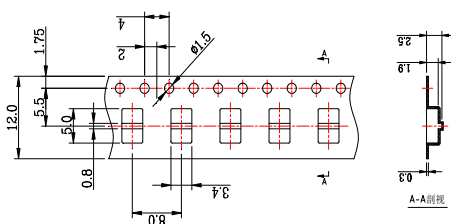
PCB. 焊接尺寸图  
P.C.B LAND DIMENSION

REFERENCE DRAWING

## NOTE

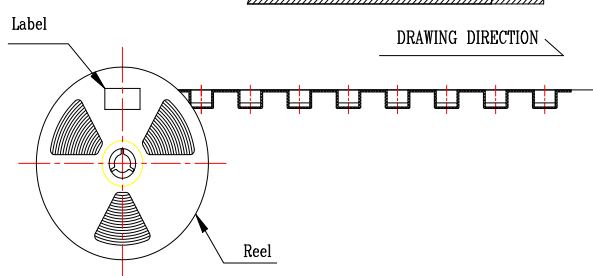
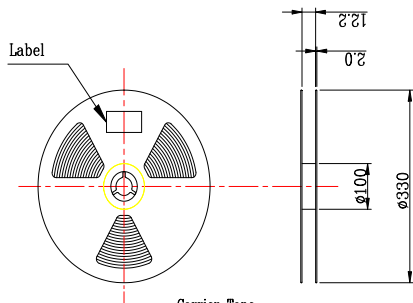
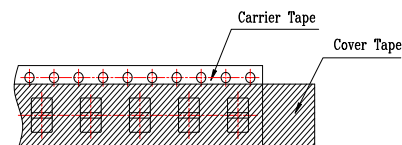
1. RATING : DC 15V 20mA
2. CONTACT RESISTANCE : 500mΩ MAX
3. GENERAL TOLERANCE : ±0.3

\* THE DIMENSION OF CARRIER TAPE, COVER TAPE AND REEL \*

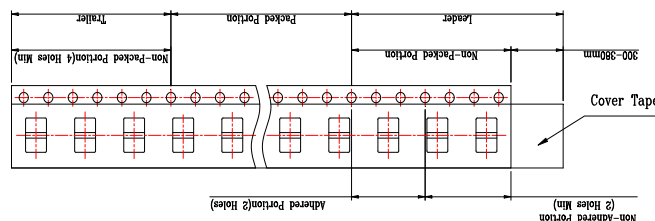
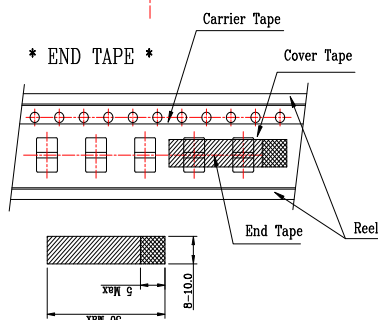


MODEL NAME	CODE NO.
TVAF36	

\* THE SPECIFICATION FOR PACKAGING \*



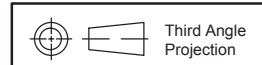
End \* THE SPECIFICATION FOR PACKAGING \* Start



## NOTE

1. 4K pcs SWITCHES PER 1 REEL
2. GENERAL TOLERANCE : 0.2mm

REFERENCE DRAWING



Dimensions are shown:mm  
Specifications and dimensions subject to change