

Switches

Detector Switches

Low-profile Two-way Operation

SPVN Series

Thin-profile type with a body height of 1.0mm, 3.6×3.8mm.



Automotive

- Rating(max.)/(min.)(Resistive load): 1 mA 5V DC/50 μ A 3V DC
- Contact resistance(Initial/After operating life): 2 Ω max./5 Ω max.
- Operating life without load: 50,000 cycles
- Operating life with load Rating(max.)(Resistive load):
50,000 cycles 5 Ω max.

Applications: Mobile: Smartphones, tablets, Headsets, wearables,
Notebooks, peripherals
Healthcare: Healthcare equipment
Audio_TV: Visual, Audio, Cameras
Automotive: Navigation/audio systems, HVAC

■ Product List

| Products No. | Poles | Positions | Operating force | Terminal type | Lever length | Operating direction | Location lug | Dimensions (W×D×H) (mm) | Water-proof | Dust-proof | Automotive | Drawing No. |
|--------------|-------|-----------|-----------------|-----------------------|--------------|---------------------|--------------|-------------------------|-------------|------------|------------|-------------|
| SPVN110107 | 1 | 1 | 0.35N max. | For PC board (Reflow) | Standard | Right | With | 3.6×3.8×1.0 | — | — | ● | 1 |
| SPVN120104 | 1 | 1 | 0.35N max. | For PC board (Reflow) | Standard | Right | Without | 3.6×3.8×1.0 | — | — | ● | 2 |
| SPVN210106 | 1 | 1 | 0.35N max. | For PC board (Reflow) | Standard | Left | With | 3.6×3.8×1.0 | — | — | ● | 3 |
| SPVN220103 | 1 | 1 | 0.35N max. | For PC board (Reflow) | Standard | Left | Without | 3.6×3.8×1.0 | — | — | ● | 4 |
| SPVN310101 | 1 | 1 | 0.35N max. | For PC board (Reflow) | Long | Right | With | 3.6×3.8×1.0 | — | — | ● | 5 |
| SPVN320101 | 1 | 1 | 0.35N max. | For PC board (Reflow) | Long | Right | Without | 3.6×3.8×1.0 | — | — | ● | 6 |
| SPVN410101 | 1 | 1 | 0.35N max. | For PC board (Reflow) | Long | Left | With | 3.6×3.8×1.0 | — | — | ● | 7 |
| SPVN420101 | 1 | 1 | 0.35N max. | For PC board (Reflow) | Long | Left | Without | 3.6×3.8×1.0 | — | — | ● | 8 |

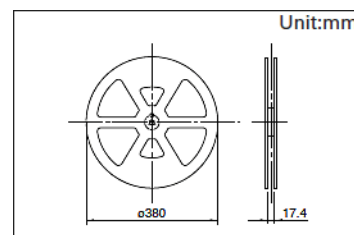
Note

1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).
3. This products can be used in vehicles.
Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.
4. For the Terminal Layout, please check our website.

■ Packing Specifications

Taping

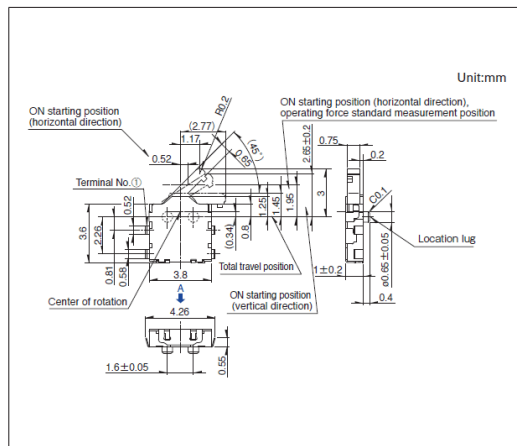
| Number of packages(pcs.) | | | Tape width (mm) | Export package measurements (mm) |
|--------------------------|----------------|-------------------------|-----------------|----------------------------------|
| 1 reel | 1 case / Japan | 1 case / export packing | | |
| 5,000 | 10,000 | 20,000 | 16 | 417 x 409 x 139 |



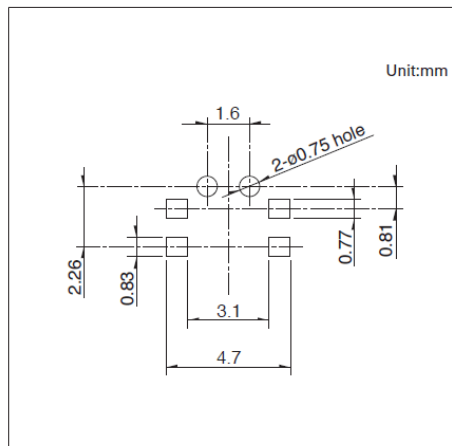
Low-profile Two-way Operation

Drawing No.1

■ Dimensions

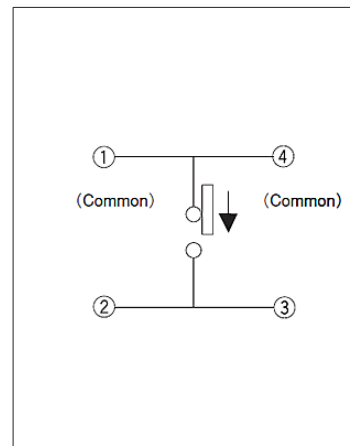


- Land Dimensions



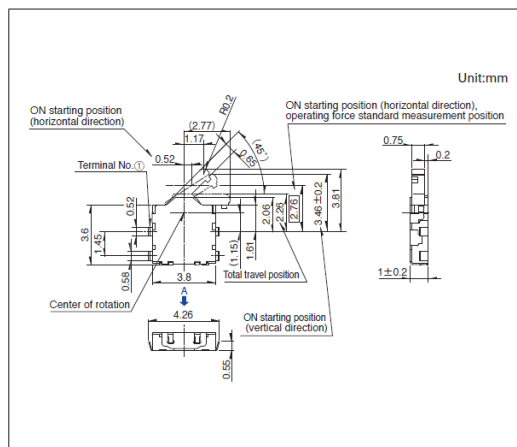
Viewed from direction A in the dimensions.

- Circuit Diagram

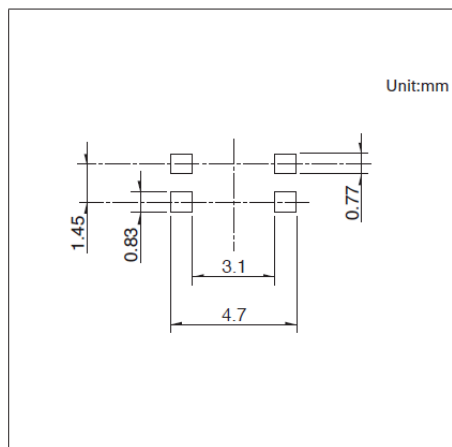


Drawing No.2

■ Dimensions

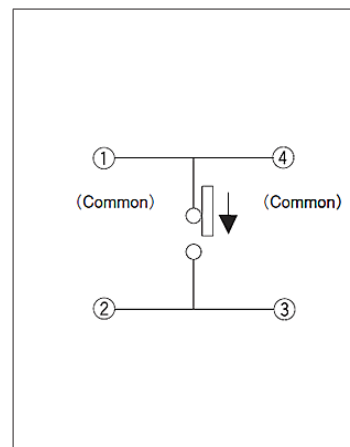


■ Land Dimensions



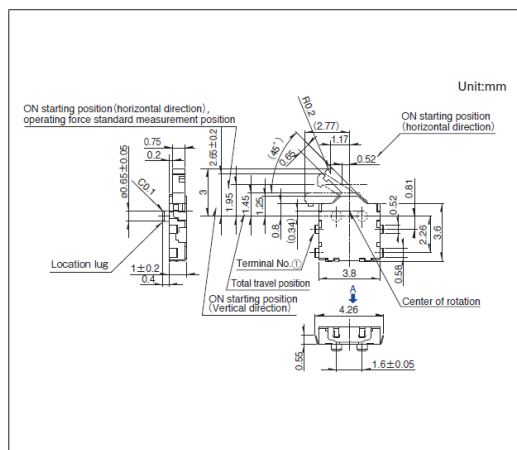
Viewed from direction A in the dimensions.

- Circuit Diagram

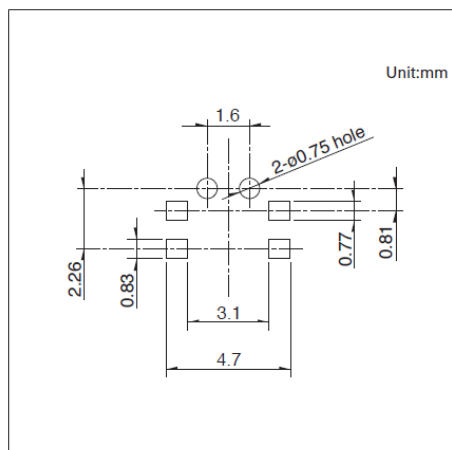


Drawing No.3

■ Dimensions

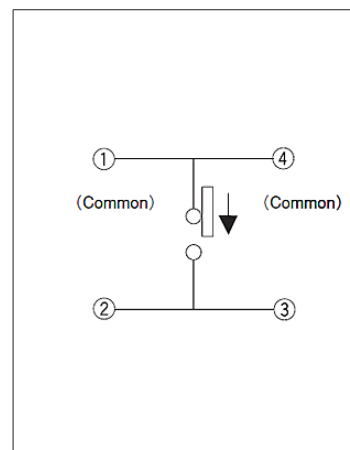


■ Land Dimensions



Viewed from direction A in the dimensions.

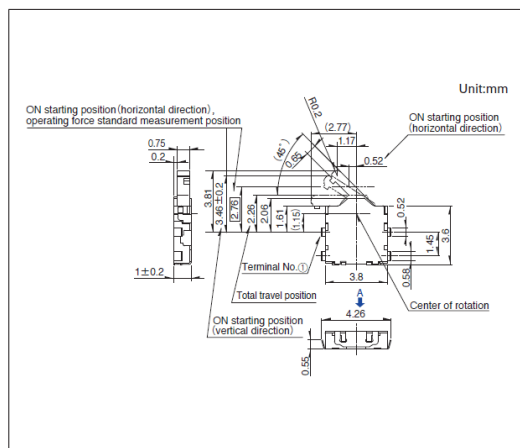
- Circuit Diagram



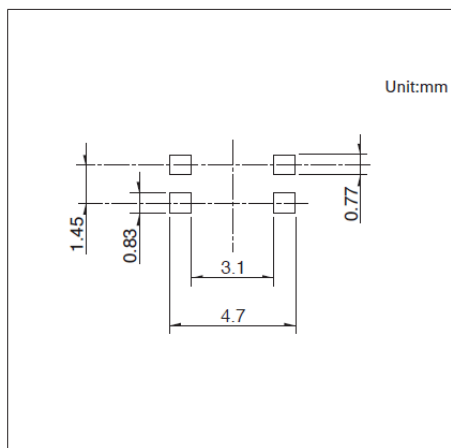
Low-profile Two-way Operation

Drawing No.4

■ Dimensions

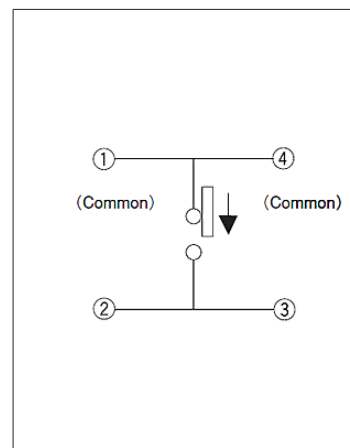


■ Land Dimensions



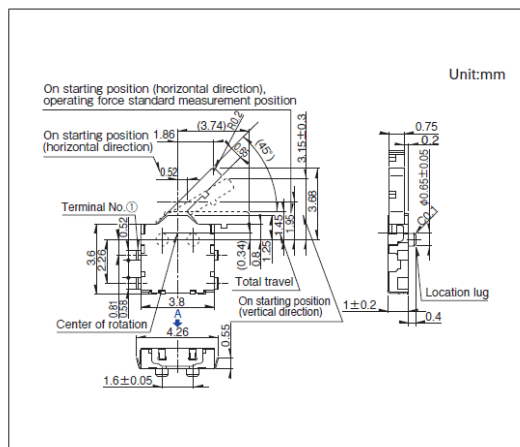
Viewed from direction A in the dimensions.

- Circuit Diagram

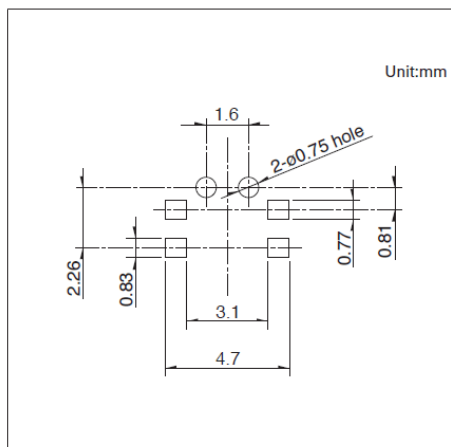


Drawing No.5

■ Dimensions

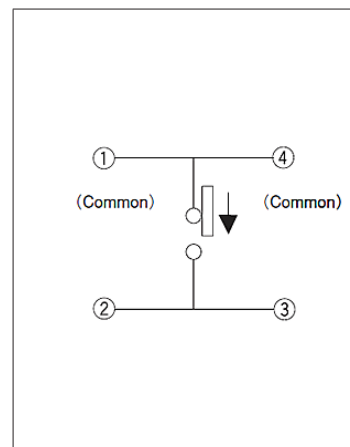


■ Land Dimensions



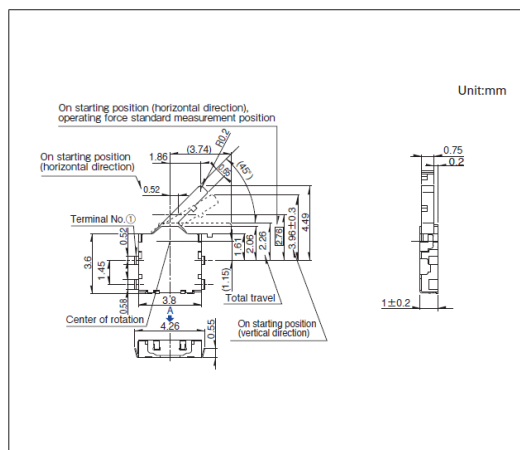
Viewed from direction A in the dimensions.

- Circuit Diagram

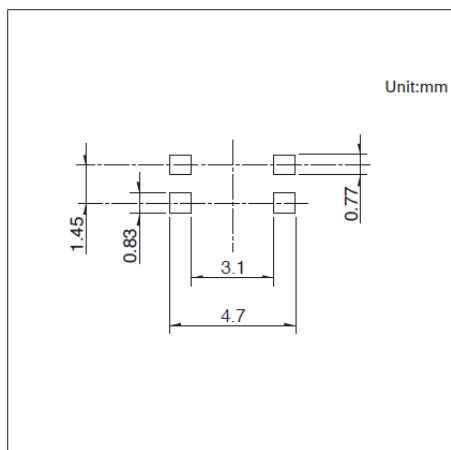


Drawing No.6

■ Dimensions

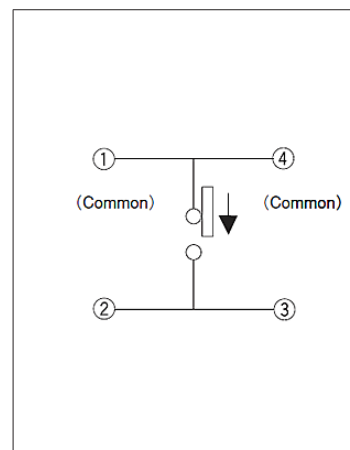


■ Land Dimensions



Viewed from direction A in the dimensions.

- Circuit Diagram

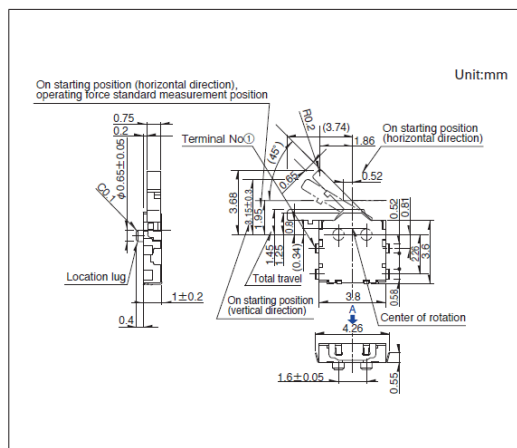


Low-profile Two-way Operation

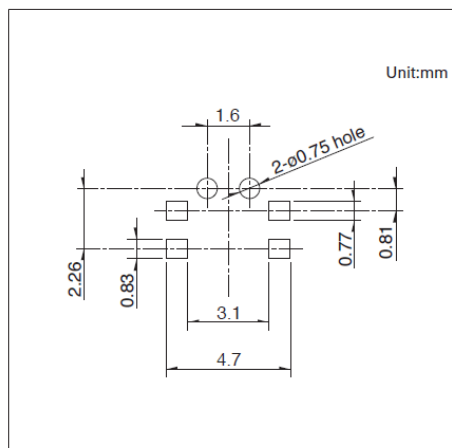
SPVN Series

Drawing No.7

■ Dimensions

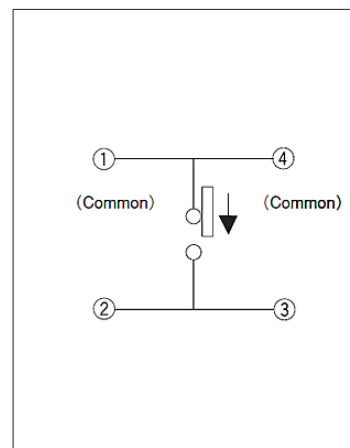


■ Land Dimensions



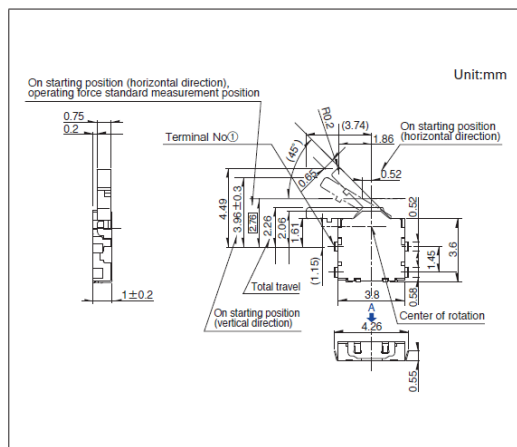
Viewed from direction A in the dimensions.

- Circuit Diagram

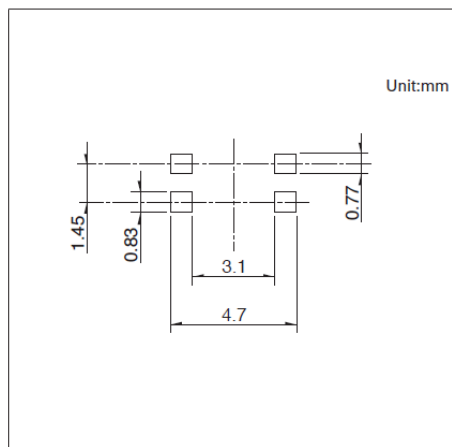


Drawing No.8

■ Dimensions



■ Land Dimensions



Viewed from direction A in the dimensions.

- Circuit Diagram

