

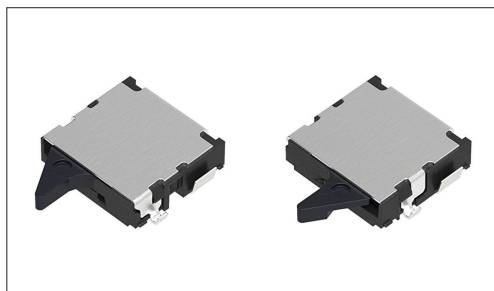
## Switches

## Detector Switches

Compact Two-way Operation

## SPVS Series

Compact, thin-profile type with a body height of 1.0mm, 3.3×3.5mm, offering N/O &amp; N/C two-circuit varieties.



Automotive

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

Applications: Mobile: Smartphones, tablets, Headsets, wearables,  
Notebooks, peripherals  
Energy\_Industrial: Robots, drones, Industrial equipment,  
Converters  
Game: Home handheld consoles, Virtual/augmented reality  
Healthcare: Healthcare equipment, Nursing care  
equipment, Analysis, test 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	Circuit	Location lug	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SPVS310100	1	1	0.35N max.	For PC board (Reflow)	Standard	Right	N/O	With	3.3×3.5×1.0	—	—	●	1
SPVS310200	1	1	0.35N max.	For PC board (Reflow)	Standard	Right	N/O	Without	3.3×3.5×1.0	—	—	●	2
SPVS320100	1	1	0.35N max.	For PC board (Reflow)	Standard	Right	N/C	With	3.3×3.5×1.0	—	—	●	3
SPVS320200	1	1	0.35N max.	For PC board (Reflow)	Standard	Right	N/C	Without	3.3×3.5×1.0	—	—	●	4
SPVS410100	1	1	0.35N max.	For PC board (Reflow)	Standard	Left	N/O	With	3.3×3.5×1.0	—	—	●	5
SPVS410200	1	1	0.35N max.	For PC board (Reflow)	Standard	Left	N/O	Without	3.3×3.5×1.0	—	—	●	6
SPVS420100	1	1	0.35N max.	For PC board (Reflow)	Standard	Left	N/C	With	3.3×3.5×1.0	—	—	●	7
SPVS420200	1	1	0.35N max.	For PC board (Reflow)	Standard	Left	N/C	Without	3.3×3.5×1.0	—	—	●	8
SPVS360100	1	1	0.35N max.	For PC board (Reflow)	Long	Right	N/C	With	3.3×3.5×1.0	—	—	●	9
SPVS360200	1	1	0.35N max.	For PC board (Reflow)	Long	Right	N/C	Without	3.3×3.5×1.0	—	—	●	10

## Note

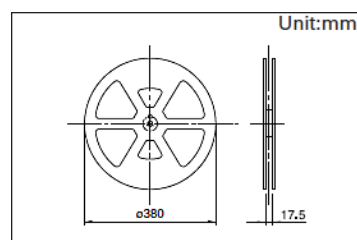
1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).
3. This products can be used in vehicles.  
Although these products are designed to perform over a wide operating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

## Compact Two-way Operation SPVS Series

## ■ Packing Specifications

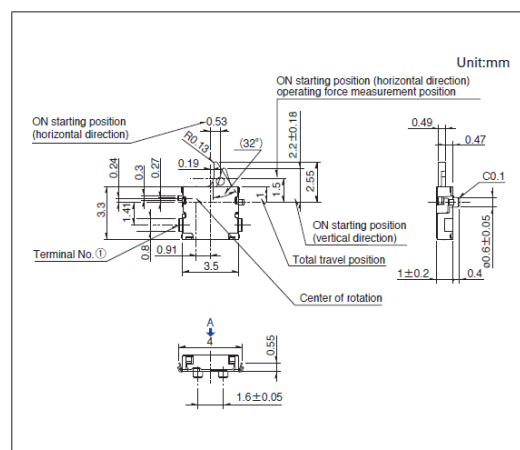
## Taping

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

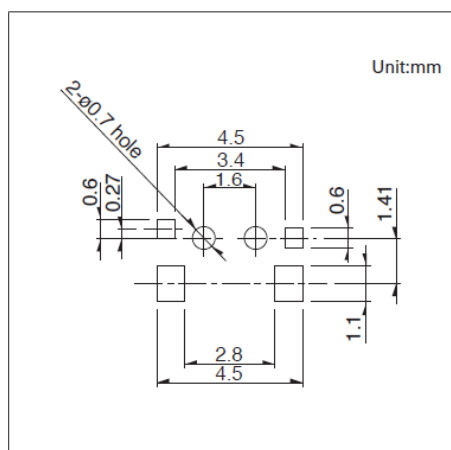


## Drawing No.1

## ■ Dimensions

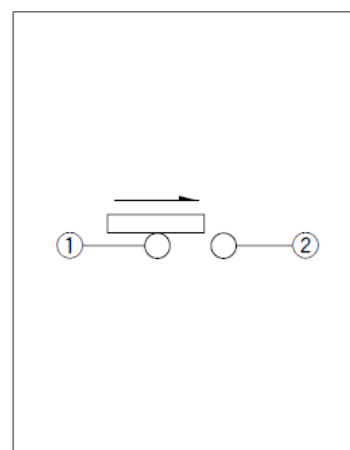


## ■ Land Dimensions



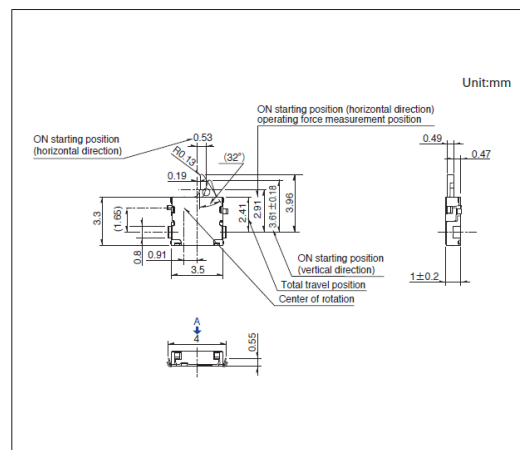
Viewed from direction A in the dimensions.

- Circuit Diagram

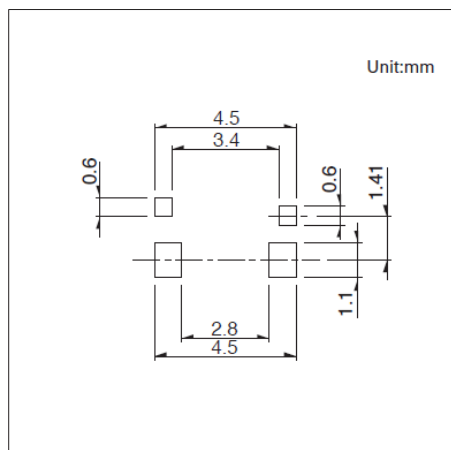


## Drawing No.2

## ■ Dimensions

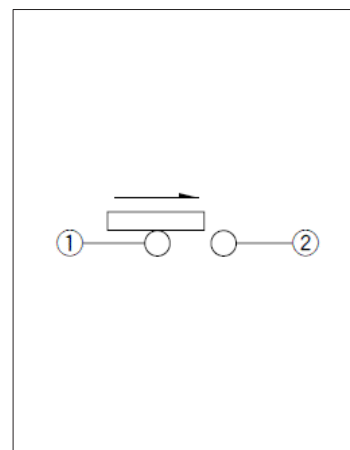


## ■ Land Dimensions



Viewed from direction A in the dimensions.

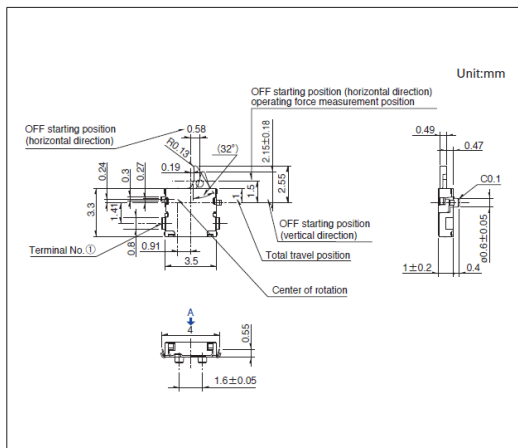
- Circuit Diagram



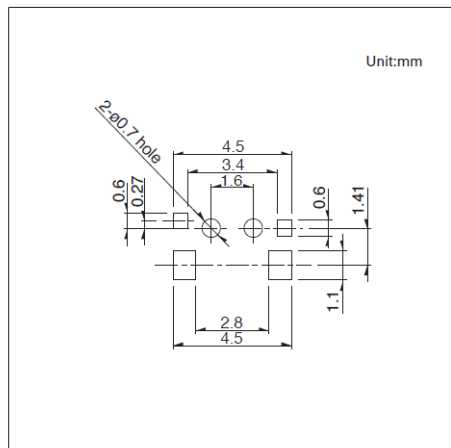
## Compact Two-way Operation SPVS Series

### Drawing No.3

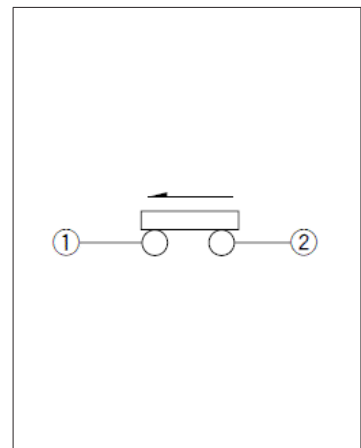
## ■ Dimensions



- Land Dimensions



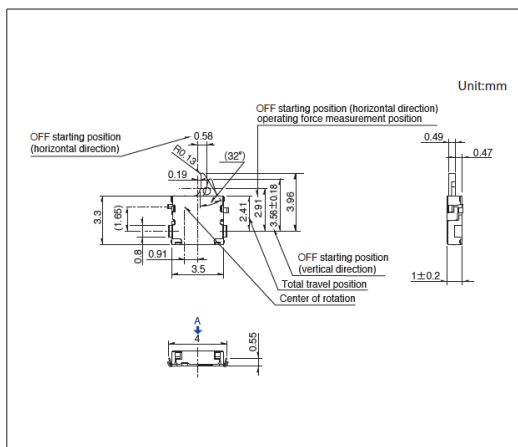
- Circuit Diagram



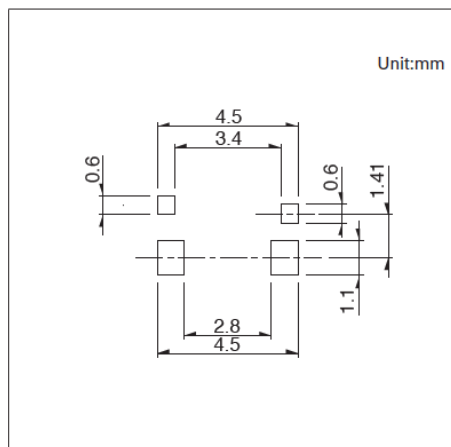
Viewed from direction A in the dimensions.

## Drawing No.4

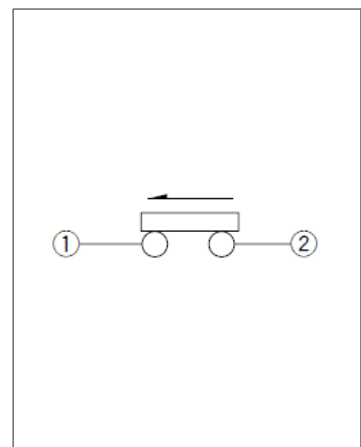
## ■ Dimensions



## ■ Land Dimensions



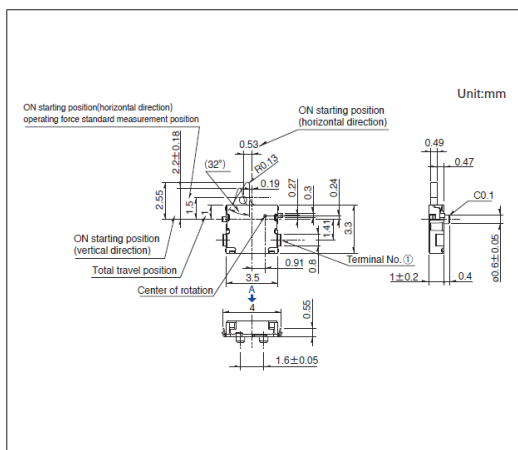
- Circuit Diagram



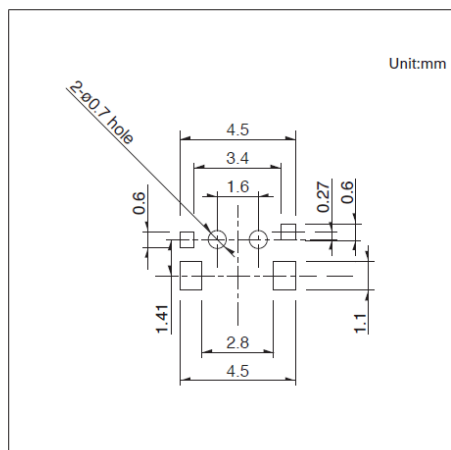
Viewed from direction A in the dimensions.

## Drawing No.5

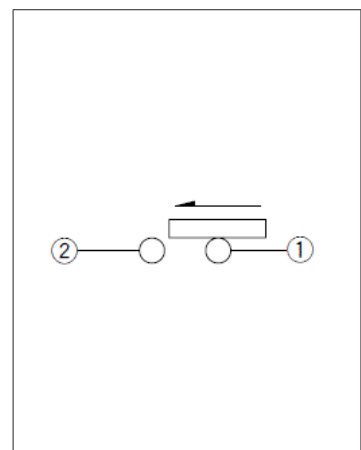
## ■ Dimensions



## ■ Land Dimensions



- Circuit Diagram



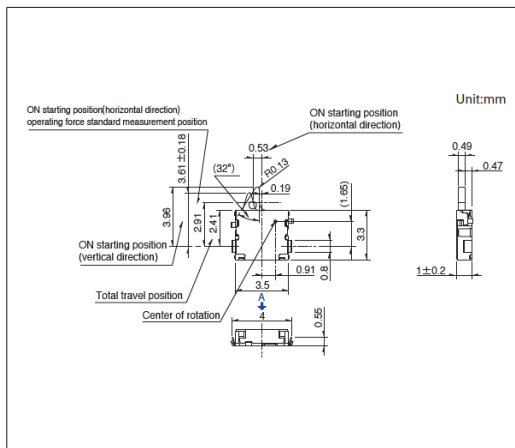
Viewed from direction A in the dimensions.

## Switches Detector Switches

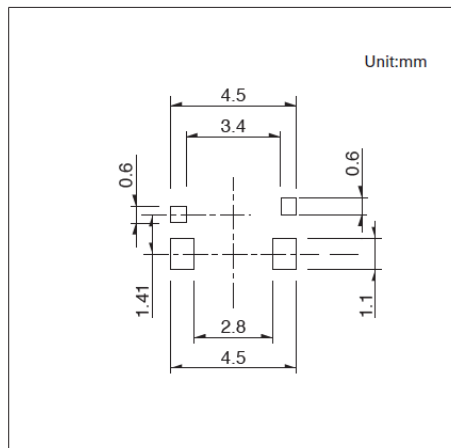
Compact Two-way Operation  
SPVS Series

## Drawing No.6

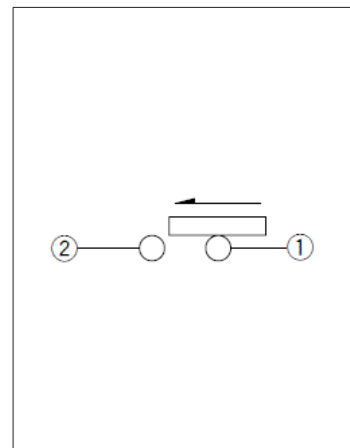
## ■ Dimensions



## ■ Land Dimensions



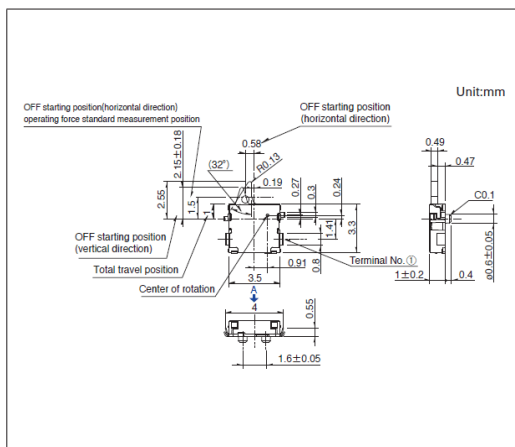
## ■ Circuit Diagram



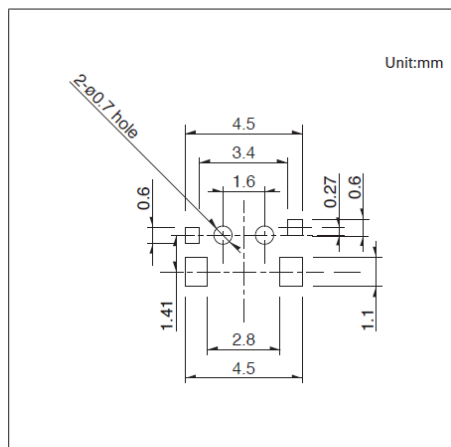
Viewed from direction A in the dimensions.

## Drawing No.7

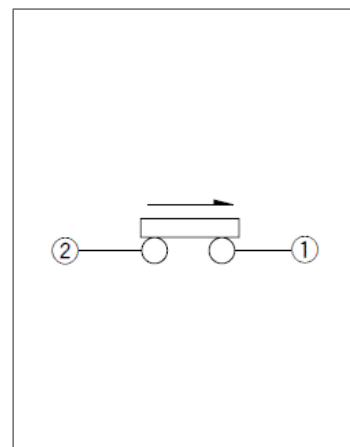
## ■ Dimensions



## ■ Land Dimensions



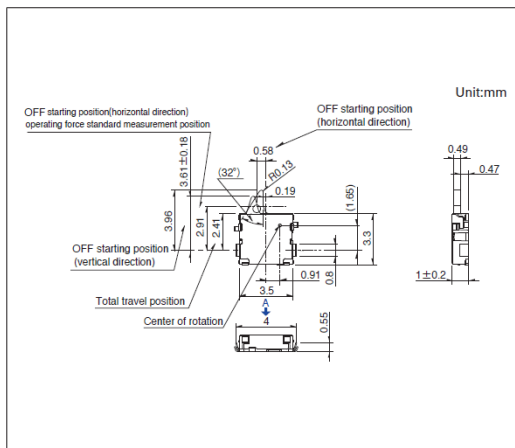
## ■ Circuit Diagram



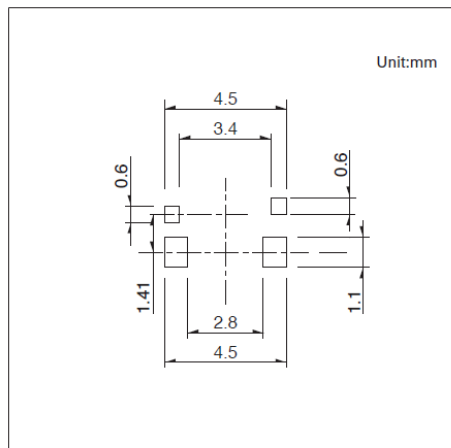
Viewed from direction A in the dimensions.

## Drawing No.8

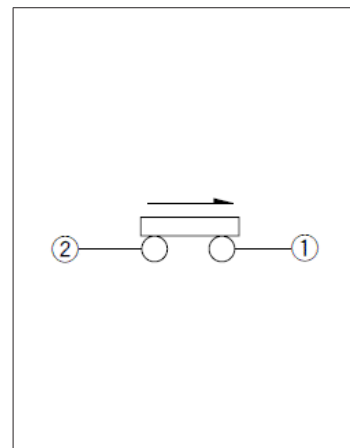
## ■ Dimensions



## ■ Land Dimensions



## ■ Circuit Diagram

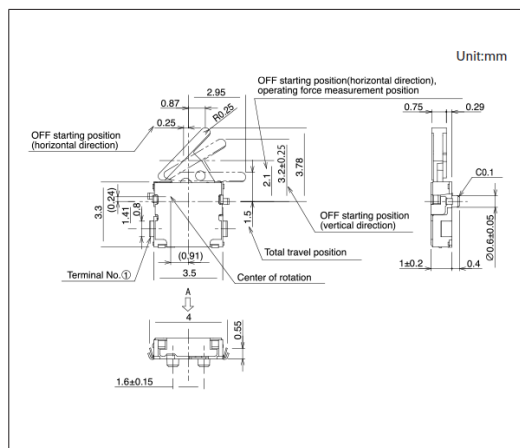


Viewed from direction A in the dimensions.

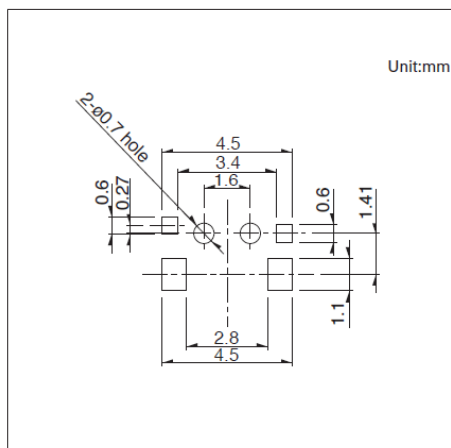
## Compact Two-way Operation SPVS Series

## Drawing No.9

## ■ Dimensions

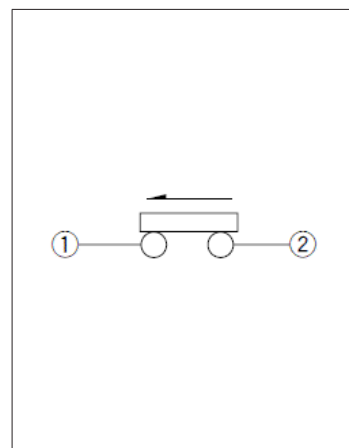


- Land Dimensions



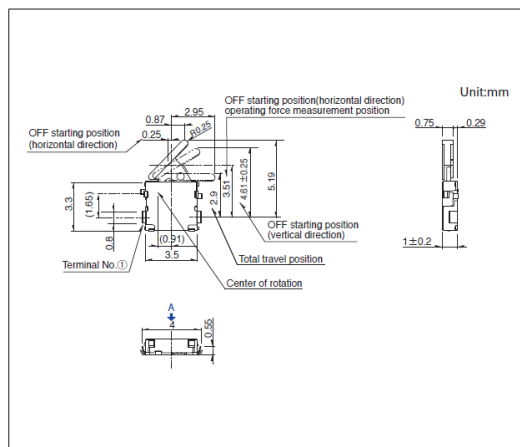
Viewed from direction A in the dimensions.

- Circuit Diagram

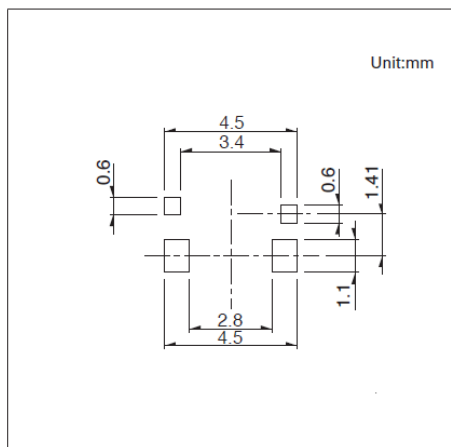


## Drawing No.10

## ■ Dimensions



## ■ Land Dimensions



Viewed from direction A in the dimensions.

- Circuit Diagram

