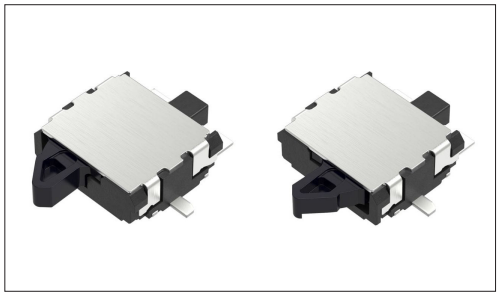
Switches | Detector Switches

Two-way Operation
SPVT Series

Compact type with a body height of 1.9mm, 4.7×5.6mm, capable of two-direction detection.



Automotive

- Rating(max.)/(min.)(Resistive load):50mA 20V DC/100μA 3V DC
- Contact resistance(Initial/After operating life):500mΩ max./1Ω max.
- Operating life without load:100,000 cycles
- Operating life with load Rating(max.)(Resistive load):
  100,000 cycles 1Ω max.

Applications:Mobile:Smartphones, tablets,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
Infrastructure:Smart meters,Power distribution facilities, Data servers,Communications cables
Home:Major home appliances,Distribution boards, Storage batteries,Office equipment
Audio_TV:Visual,Audio,Pro audio,Cameras
Automotive:Navigation/audio systems, HVAC

■ Product List

Products No.	Poles	Positions	Operating force	Terminal type	Operating direction	Location lug	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SPVT110106	1	1	0.4N max.	For PC board (Reflow)	Right	With	4.7×5.6×1.9	—	—	●	1
SPVT130102	1	1	0.4N max.	For PC board (Reflow)	Right	With	4.7×5.6×1.9	—	—	●	2
SPVT120103	1	1	0.4N max.	For PC board (Reflow)	Right	With	4.7×5.6×1.9	—	—	●	3
SPVT140104	1	1	0.4N max.	For PC board (Reflow)	Right	With	4.7×5.6×1.9	—	—	●	4
SPVT110202	1	1	0.4N max.	For PC board (Reflow)	Right	Without	4.7×5.6×1.9	—	—	●	5
SPVT130202	1	1	0.4N max.	For PC board (Reflow)	Right	Without	4.7×5.6×1.9	—	—	●	6
SPVT120202	1	1	0.4N max.	For PC board (Reflow)	Right	Without	4.7×5.6×1.9	—	—	●	7
SPVT210104	1	1	0.4N max.	For PC board (Reflow)	Left	With	4.7×5.6×1.9	—	—	●	8
SPVT230103	1	1	0.4N max.	For PC board (Reflow)	Left	With	4.7×5.6×1.9	—	—	●	9
SPVT220103	1	1	0.4N max.	For PC board (Reflow)	Left	With	4.7×5.6×1.9	—	—	●	10
SPVT240103	1	1	0.4N max.	For PC board (Reflow)	Left	With	4.7×5.6×1.9	—	—	●	11
SPVT210202	1	1	0.4N max.	For PC board (Reflow)	Left	Without	4.7×5.6×1.9	—	—	●	12
SPVT230202	1	1	0.4N max.	For PC board (Reflow)	Left	Without	4.7×5.6×1.9	—	—	●	13
SPVT220202	1	1	0.4N max.	For PC board (Reflow)	Left	Without	4.7×5.6×1.9	—	—	●	14

⚠Note

1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).
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.

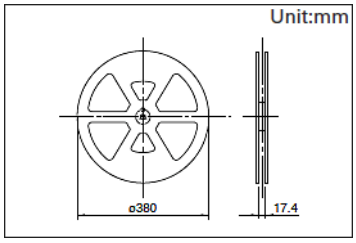
Two-way Operation

SPVT Series

■ Packing Specifications

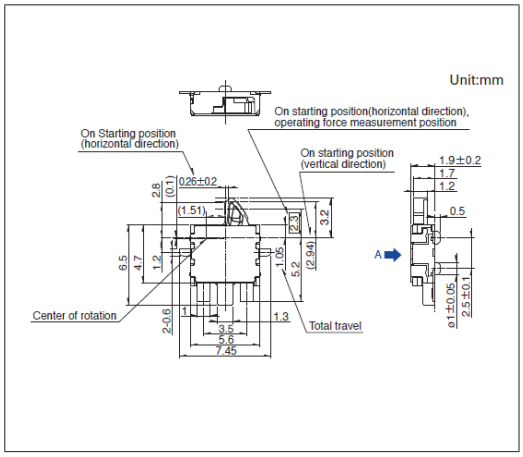
Taping

Number of packages(pcs.)			Tape width (mm)	Export package measurements (mm)
1 reel	1 case / Japan	1 case / export packing		
2,500	5,000	10,000	16	417 x 409 x 139

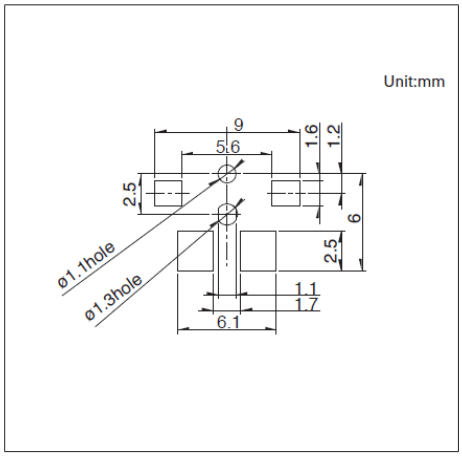


Drawing No.1

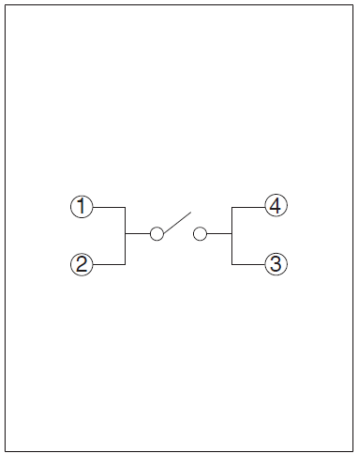
■ Dimensions



■ Land Dimensions



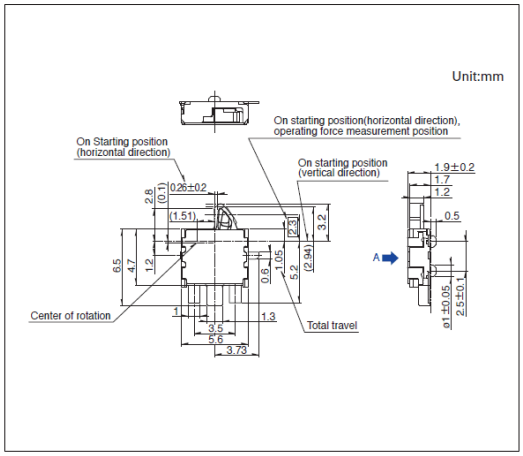
■ Circuit Diagram



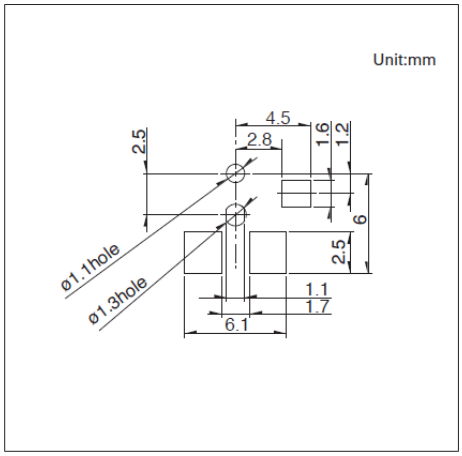
Viewed from direction A in the dimensions.

Drawing No.2

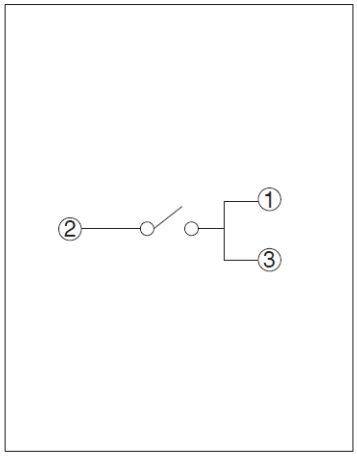
■ Dimensions



■ Land Dimensions



■ Circuit Diagram



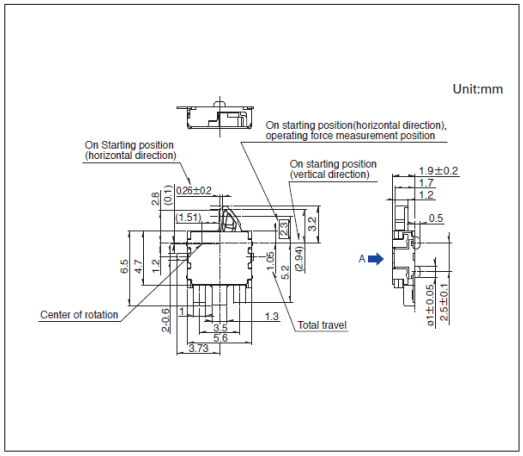
Viewed from direction A in the dimensions.

Two-way Operation

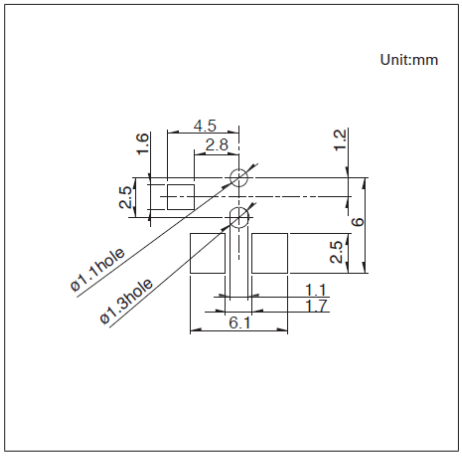
SPVT Series

Drawing No.3

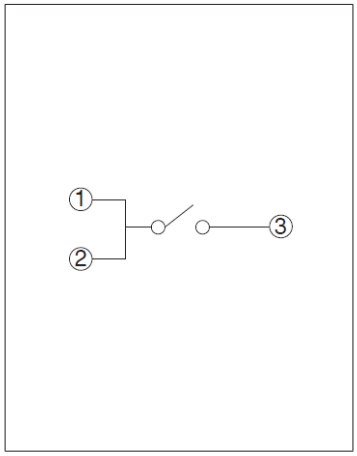
■ Dimensions



■ Land Dimensions



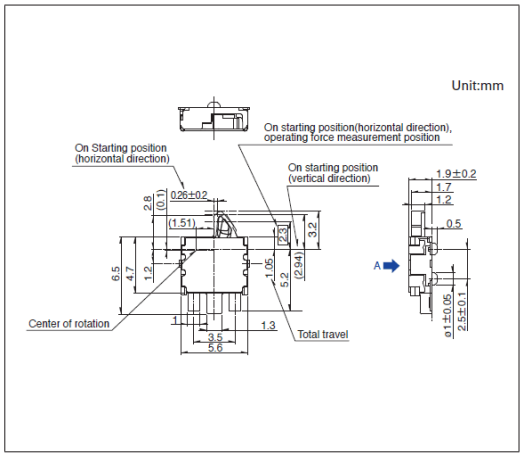
■ Circuit Diagram



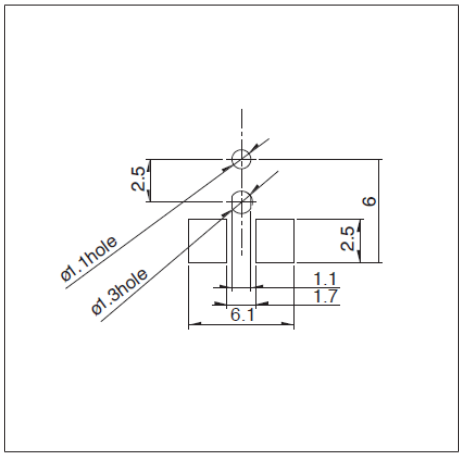
Viewed from direction A in the dimensions.

Drawing No.4

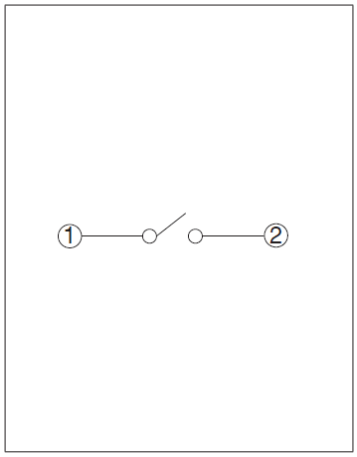
■ Dimensions



■ Land Dimensions



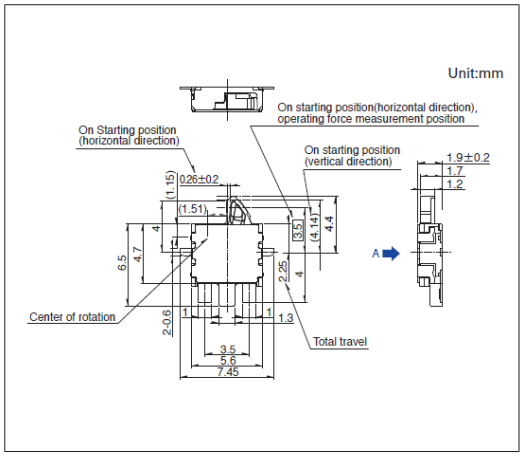
■ Circuit Diagram



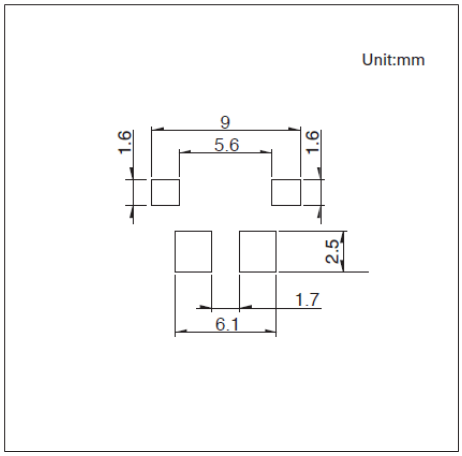
Viewed from direction A in the dimensions.

Drawing No.5

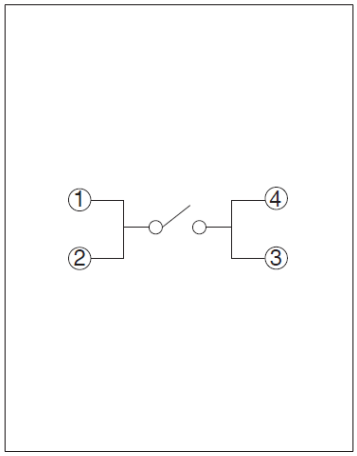
■ Dimensions



■ Land Dimensions



■ Circuit Diagram



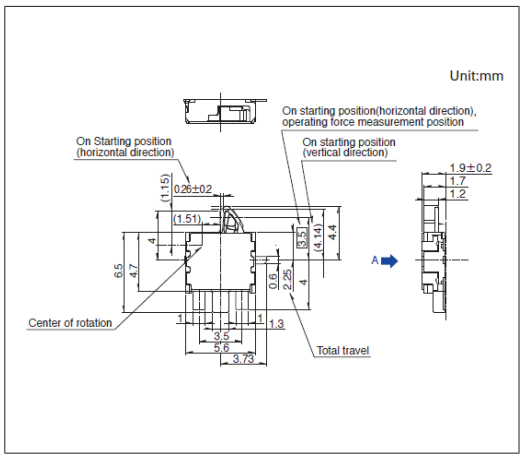
Viewed from direction A in the dimensions.

Two-way Operation

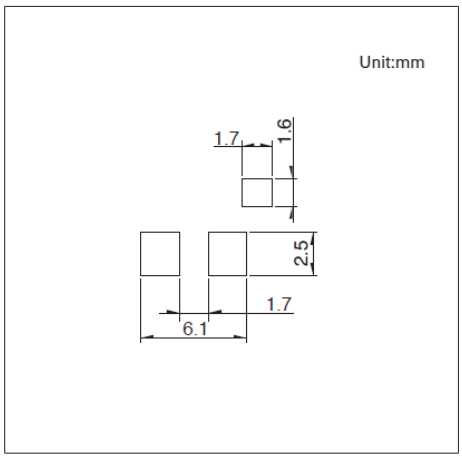
SPVT Series

Drawing No.6

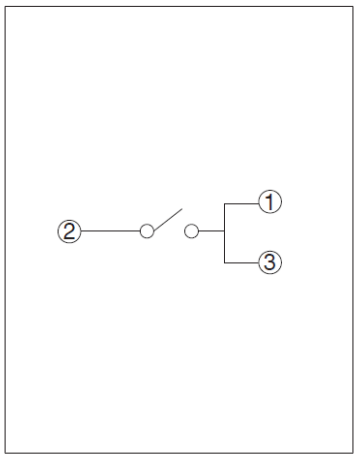
■ Dimensions



■ Land Dimensions



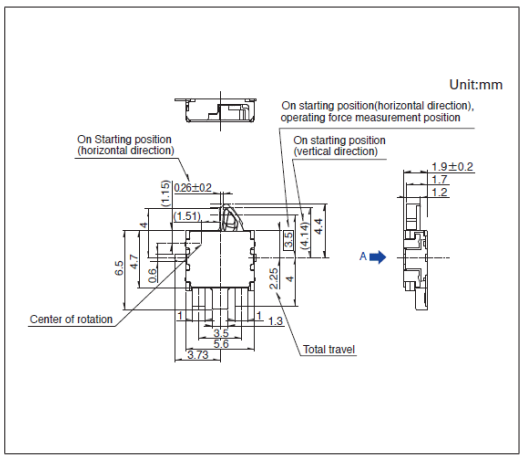
■ Circuit Diagram



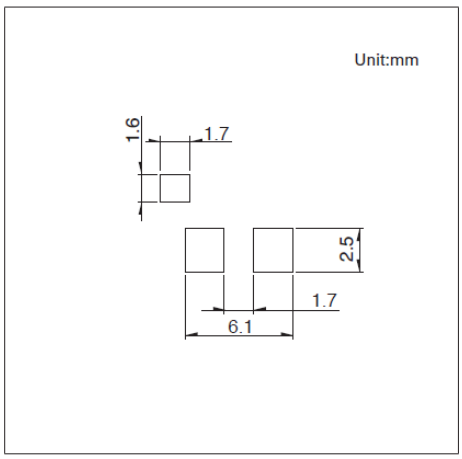
Viewed from direction A in the dimensions.

Drawing No.7

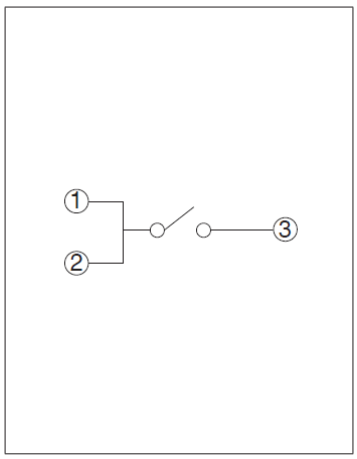
■ Dimensions



■ Land Dimensions



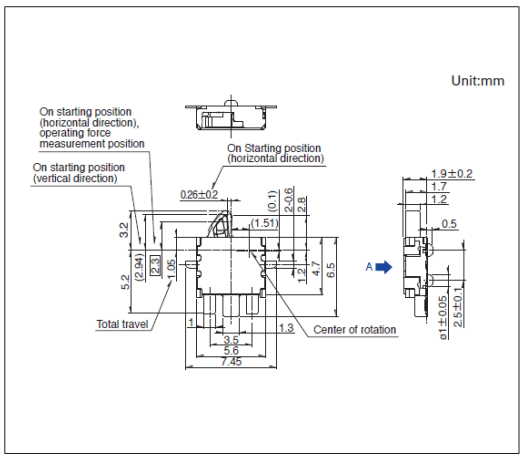
■ Circuit Diagram



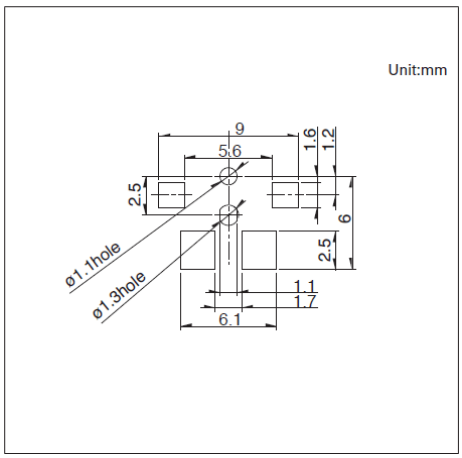
Viewed from direction A in the dimensions.

Drawing No.8

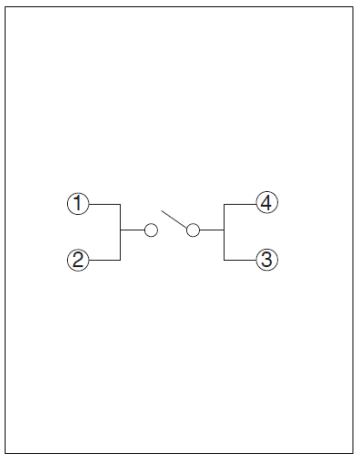
■ Dimensions



■ Land Dimensions



■ Circuit Diagram



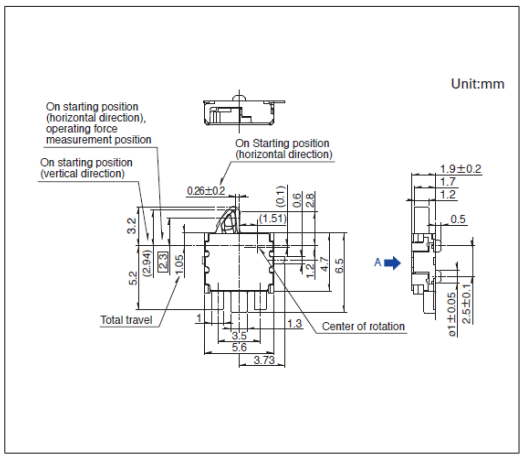
Viewed from direction A in the dimensions.

Two-way Operation

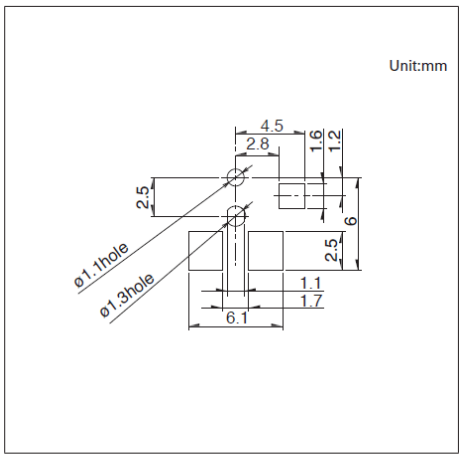
SPVT Series

Drawing No.9

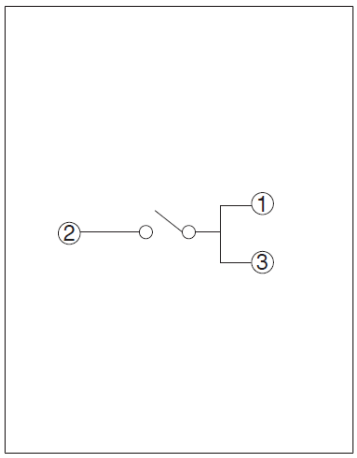
■ Dimensions



■ Land Dimensions



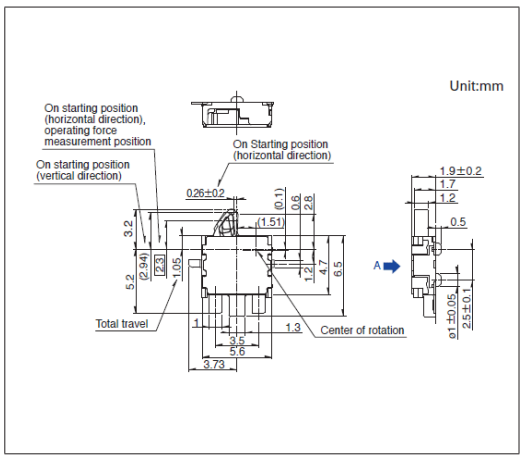
■ Circuit Diagram



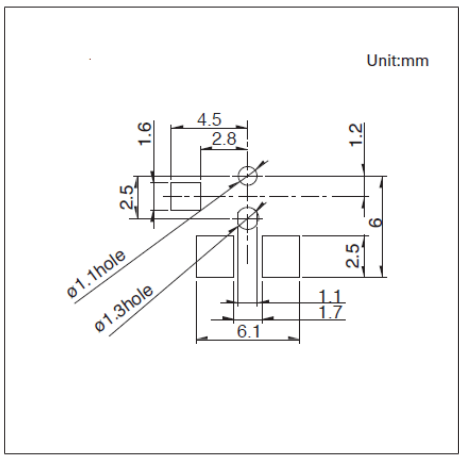
Viewed from direction A in the dimensions.

Drawing No.10

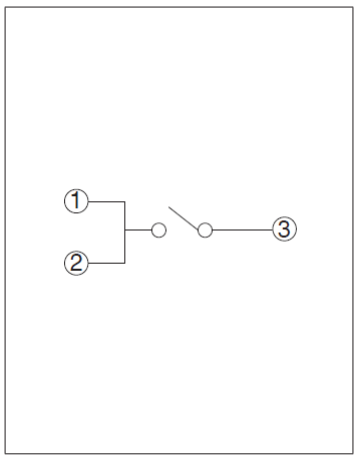
■ Dimensions



■ Land Dimensions



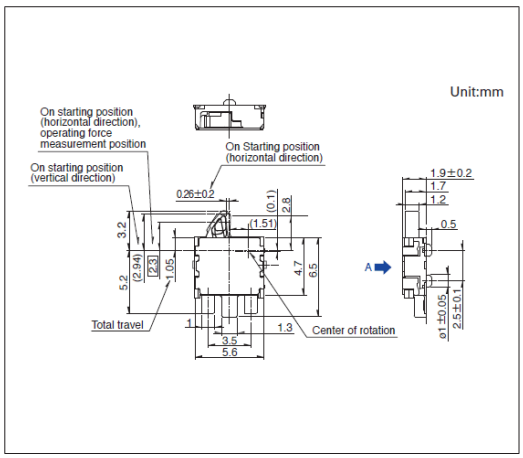
■ Circuit Diagram



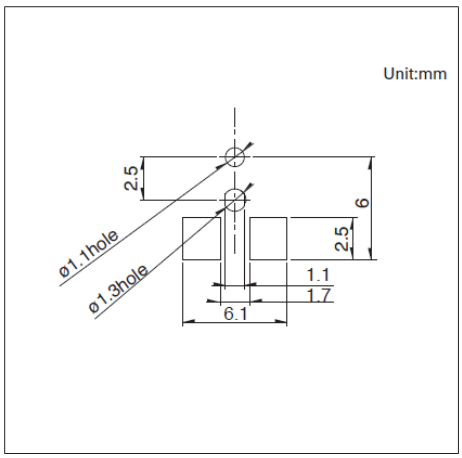
Viewed from direction A in the dimensions.

Drawing No.11

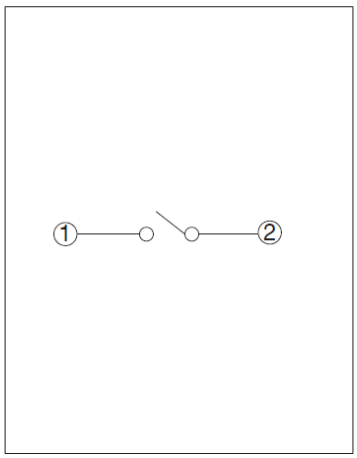
■ Dimensions



■ Land Dimensions



■ Circuit Diagram



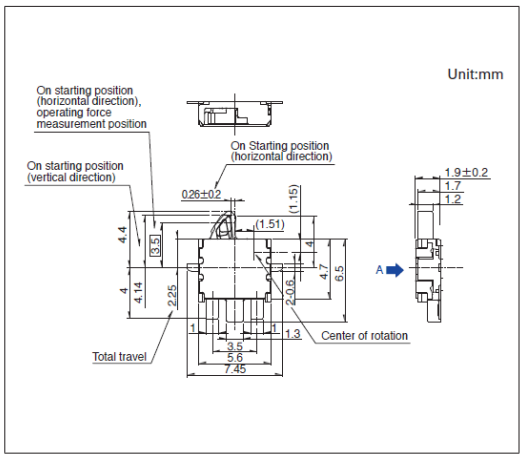
Viewed from direction A in the dimensions.

Two-way Operation

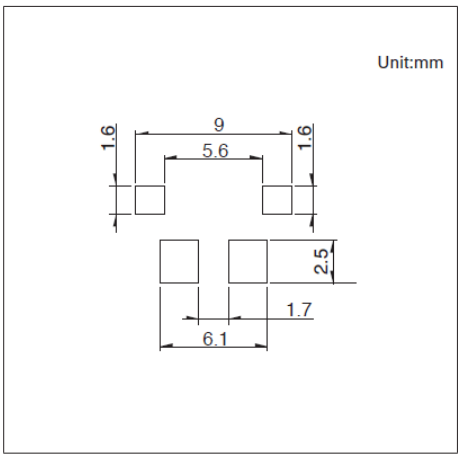
SPVT Series

Drawing No.12

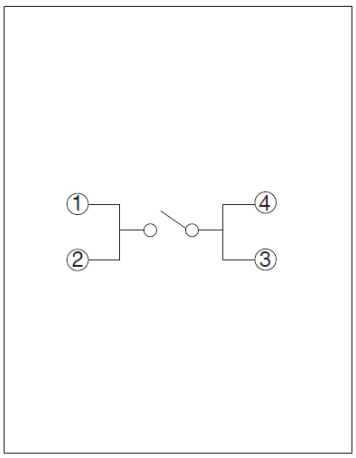
■ Dimensions



■ Land Dimensions



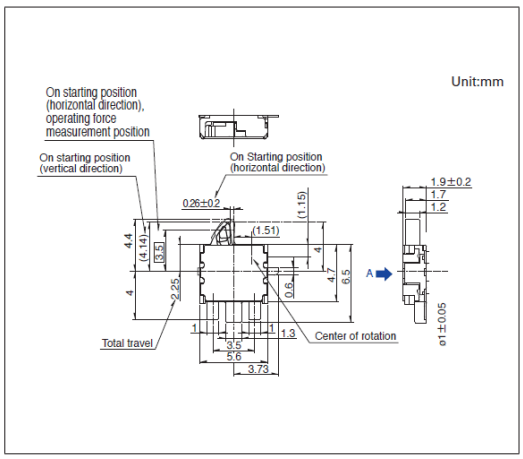
■ Circuit Diagram



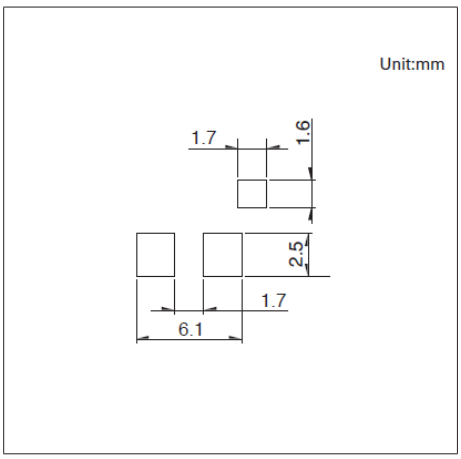
Viewed from direction A in the dimensions.

Drawing No.13

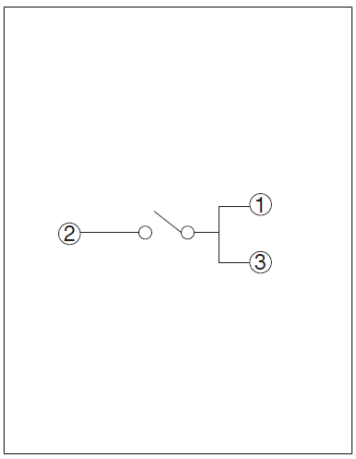
■ Dimensions



■ Land Dimensions



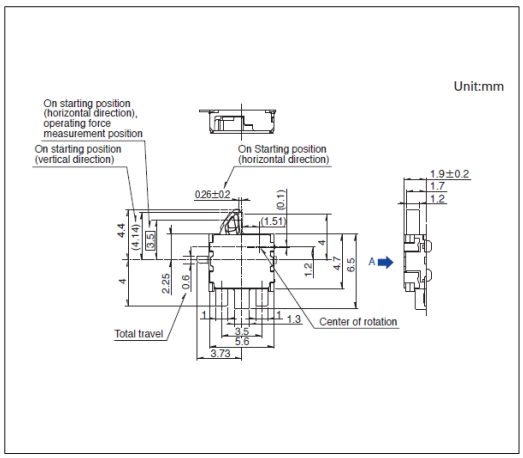
■ Circuit Diagram



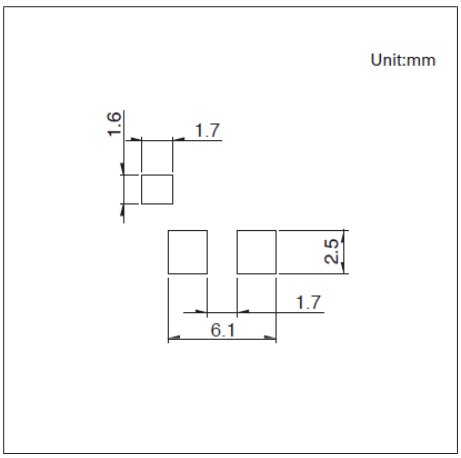
Viewed from direction A in the dimensions.

Drawing No.14

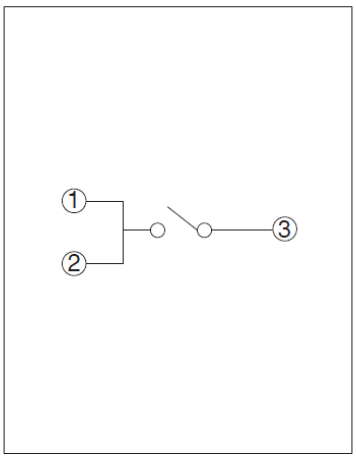
■ Dimensions



■ Land Dimensions



■ Circuit Diagram



Viewed from direction A in the dimensions.