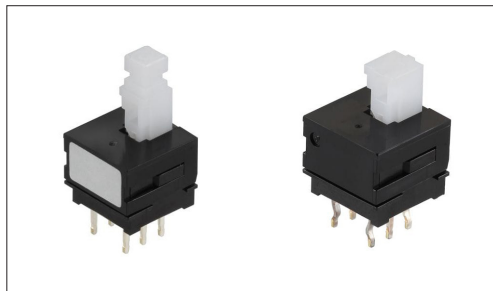


Switches

Push Switches

1.5mm-travel Vertical Type
SPPH1 Series

Offers a lineup of two types of knob shapes.



Automotive

- Rating (max.)/(min.) (Resistive load): 0.1 A 30V DC/50 μ A 3V DC
- Contact resistance (Initial performance/After lifetime):
20m Ω max./40m Ω max.
- Operating life without load: 10,000 cycles 40m Ω max.
- Operating life with load (at max. rated load): 10,000 cycles 40m Ω max.

Applications: Audio_TV: Visual, Audio, Pro audio
Automotive: Navigation/audio systems, HVAC

■ Product List

Products No.	Travel (mm)	Total travel (mm)	Poles	Operating force	Changeover timing	Mounting method	Operation	Terminal type	Dimensions (W×D×H) (mm)	Automotive	Drawing No.
SPPH110800	1.5	2.5	2	2 (+1, -0.7) N	Non shorting	PC board	Latching	Straight	10.0×10.0×8.5	●	1
SPPH110300	1.5	2.5	2	2 (+1, -0.7) N	Non shorting	PC board	Momentary	Straight	10.0×10.0×8.5	●	2
SPPH120400	1.5	2.5	2	2 (+1, -0.7) N	Non shorting	PC board	Latching	Straight	10.0×10.0×8.5	●	3
SPPH120100	1.5	2.5	2	2 (+1, -0.7) N	Non shorting	PC board	Momentary	Straight	10.0×10.0×8.5	●	4
SPPH130400	1.5	2.5	2	2 (+1, -0.7) N	Non shorting	PC board	Latching	Snap-in	10.0×10.0×8.5	●	5
SPPH130100	1.5	2.5	2	2 (+1, -0.7) N	Non shorting	PC board	Momentary	Snap-in	10.0×10.0×8.5	●	6
SPPH140300	1.5	2.5	2	2 (+1, -0.7) N	Non shorting	PC board	Latching	Snap-in	10.0×10.0×8.5	●	7
SPPH140100	1.5	2.5	2	2 (+1, -0.7) N	Non shorting	PC board	Momentary	Snap-in	10.0×10.0×8.5	●	8
SPPH110900	1.5	2.5	2	3 (+1, -0.7) N	Non shorting	PC board	Latching	Straight	10.0×10.0×8.5	●	9
SPPH130500	1.5	2.5	2	3 (+1, -0.7) N	Non shorting	PC board	Latching	Snap-in	10.0×10.0×8.5	●	10
SPPH140400	1.5	2.5	2	3 (+1, -0.7) N	Non shorting	PC board	Latching	Snap-in	10.0×10.0×8.5	●	11

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.

■ Packing Specifications

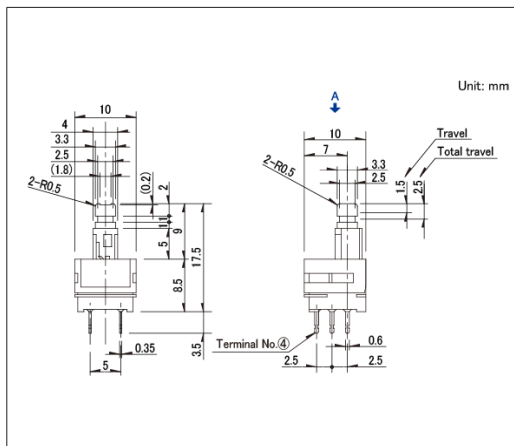
Bulk

Number of packages(pcs.)		Export package measurements (mm)
1 case / Japan	1 case / export packing	
800	4,000	400 x 270 x 290

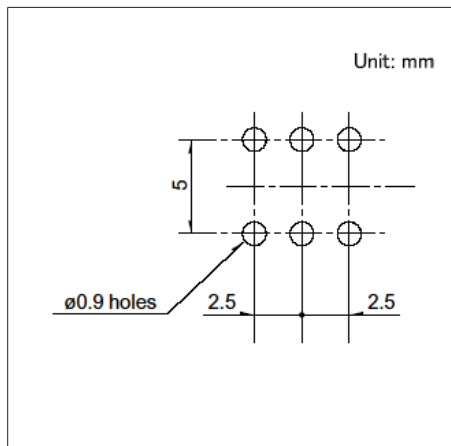
1.5mm-travel Vertical Type SPPH1 Series

Drawing No.1

■ Dimensions

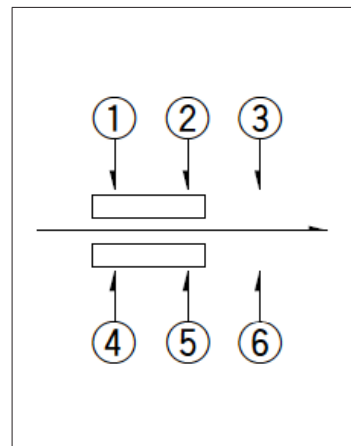


■ Mounting Hole Dimensions



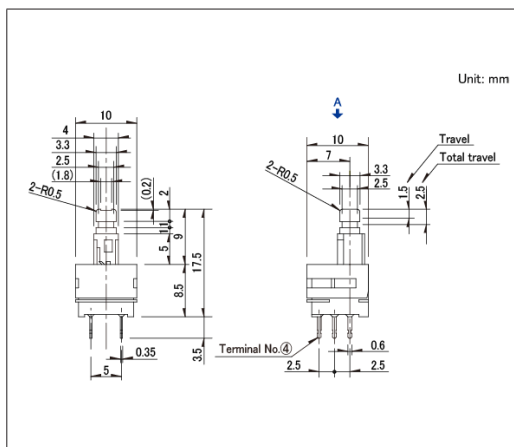
Viewed from direction A in the dimensions.

- Circuit Diagram

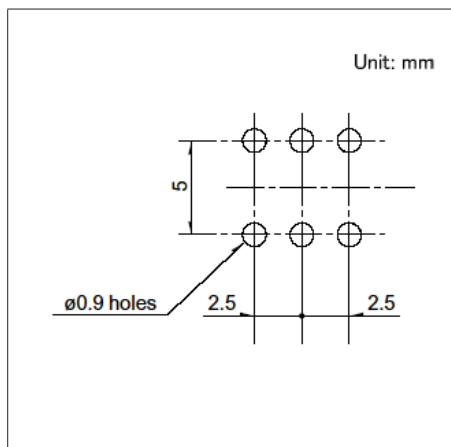


Drawing No.2

■ Dimensions

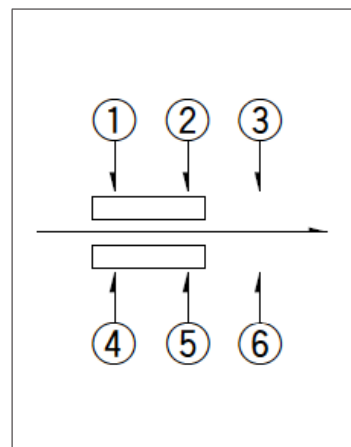


■ Mounting Hole Dimensions



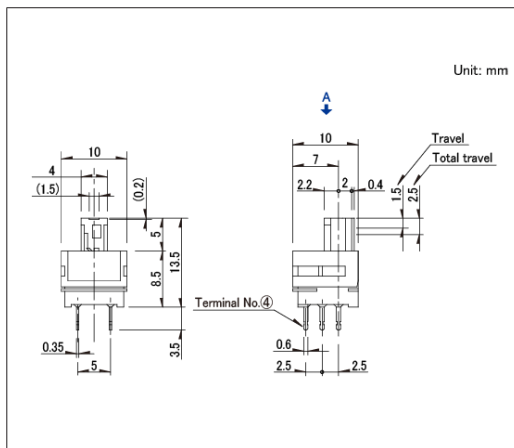
Viewed from direction A in the dimensions.

- Circuit Diagram

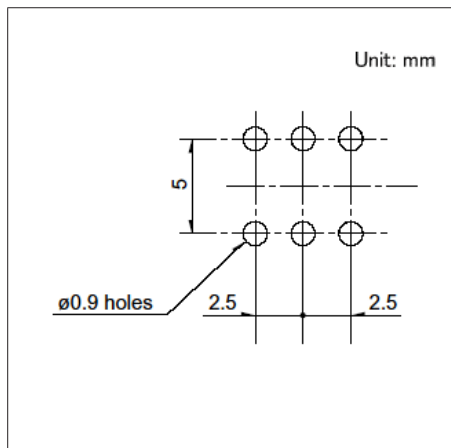


Drawing No.3

■ Dimensions

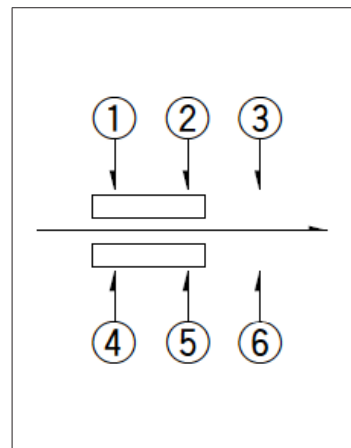


■ Mounting Hole Dimensions



Viewed from direction A in the dimensions.

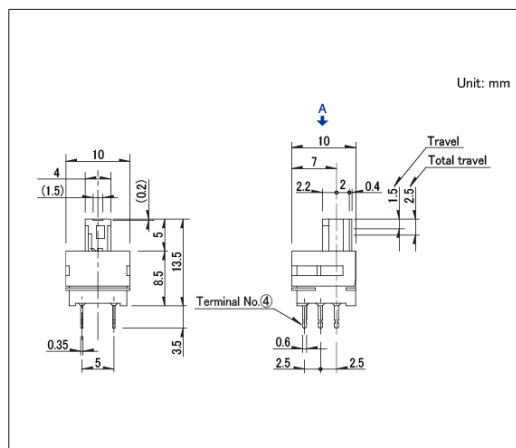
- Circuit Diagram



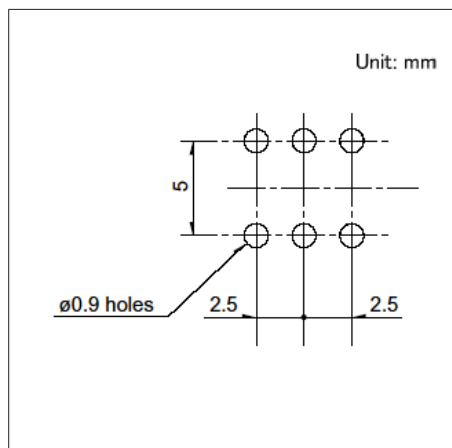
1.5mm-travel Vertical Type SPPH1 Series

Drawing No.4

■ Dimensions

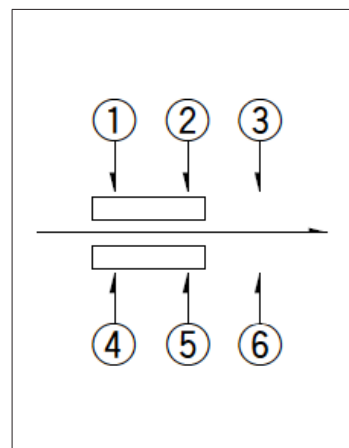


■ Mounting Hole Dimensions



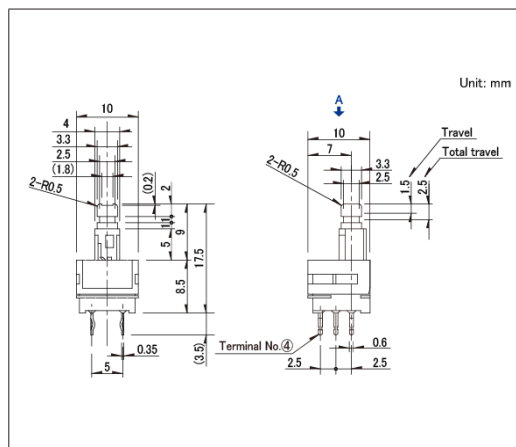
Viewed from direction A in the dimensions.

- Circuit Diagram

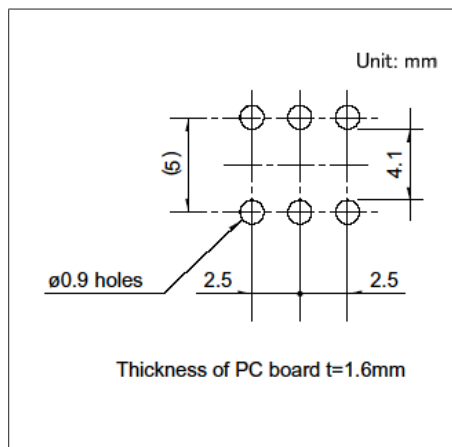


Drawing No.5

■ Dimensions

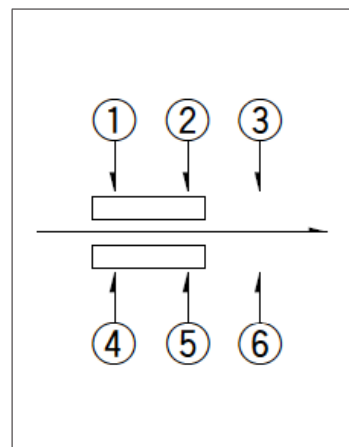


■ Mounting Hole Dimensions



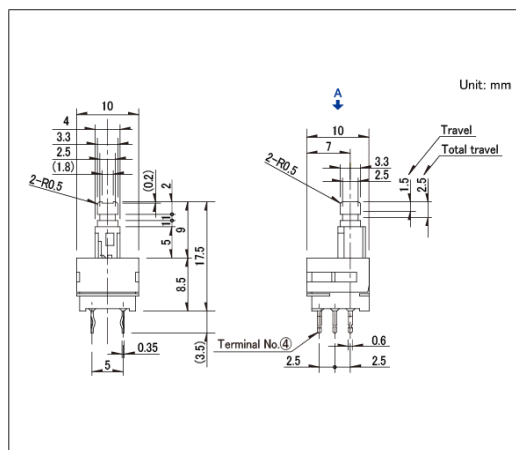
Viewed from direction A in the dimensions.

- Circuit Diagram

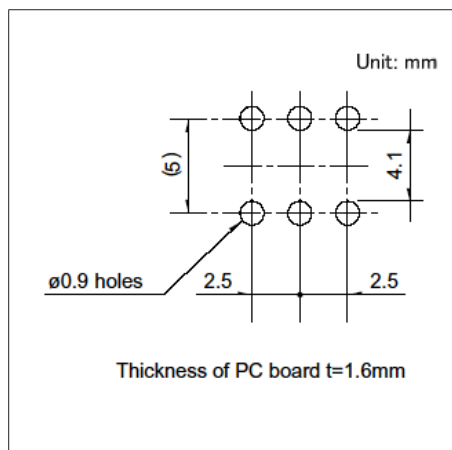


Drawing No.6

■ Dimensions

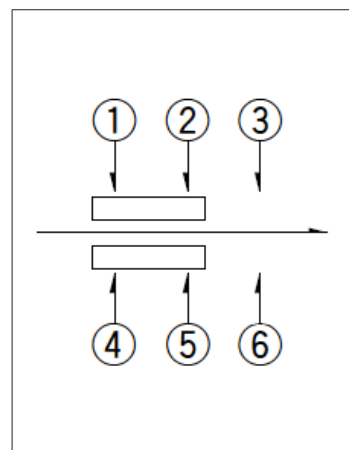


■ Mounting Hole Dimensions



Viewed from direction A in the dimensions.

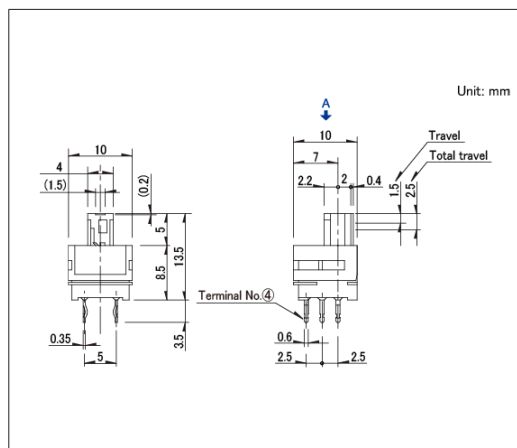
- Circuit Diagram



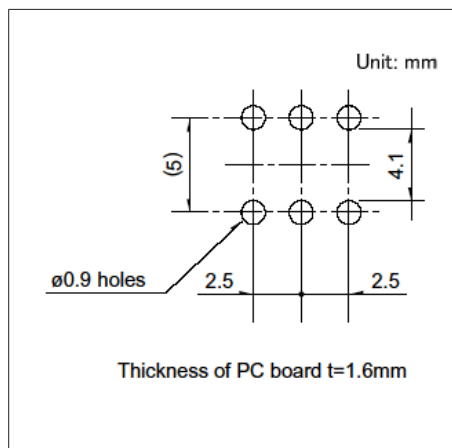
1.5mm-travel Vertical Type SPPH1 Series

Drawing No.7

■ Dimensions

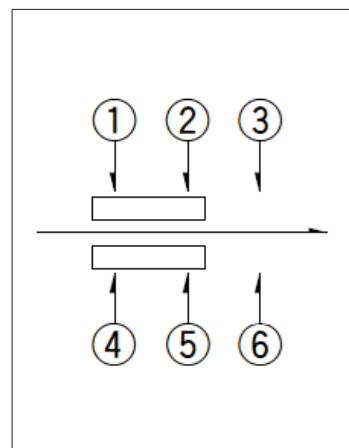


■ Mounting Hole Dimensions



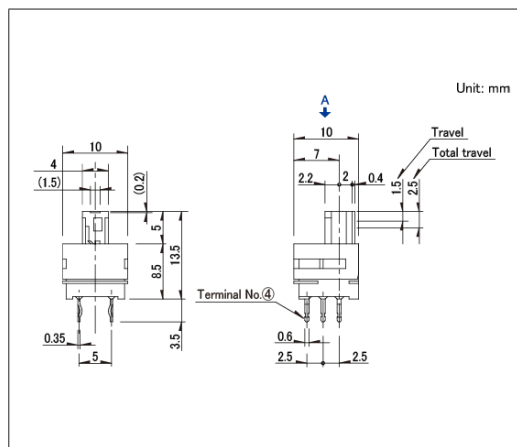
Viewed from direction A in the dimensions.

- Circuit Diagram

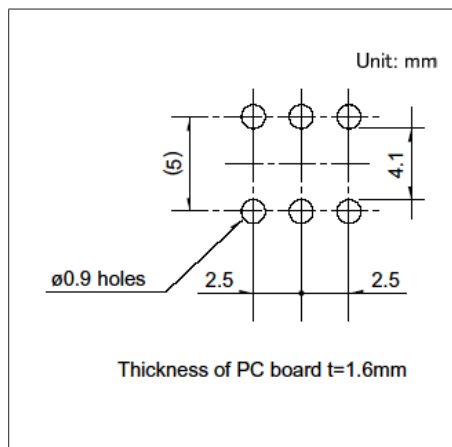


Drawing No.8

■ Dimensions

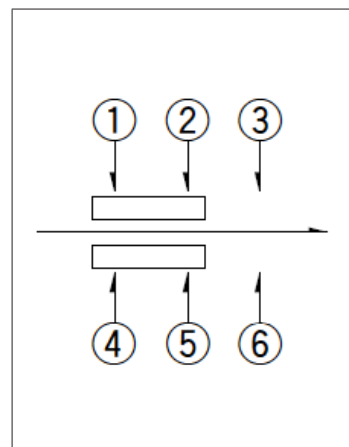


■ Mounting Hole Dimensions



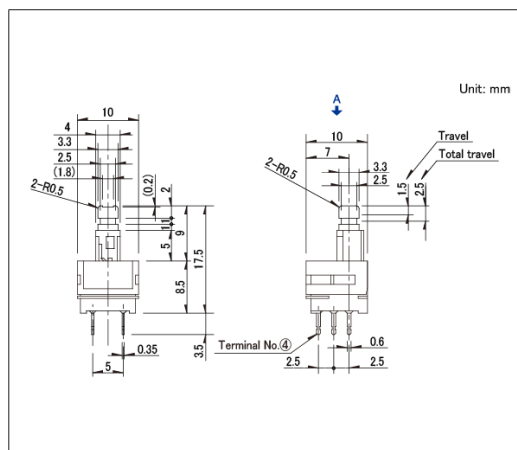
Viewed from direction A in the dimensions.

- Circuit Diagram

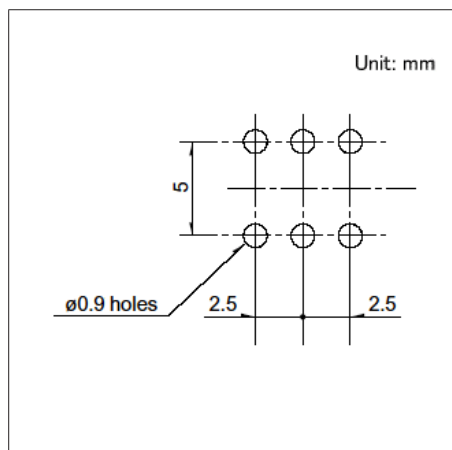


Drawing No.9

■ Dimensions

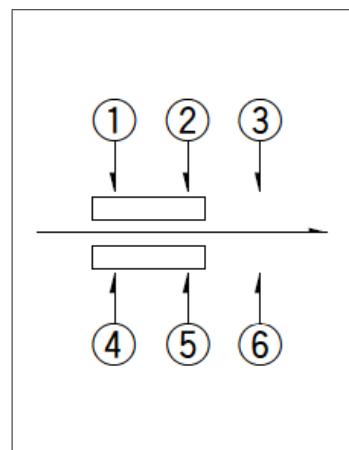


■ Mounting Hole Dimensions



Viewed from direction A in the dimensions.

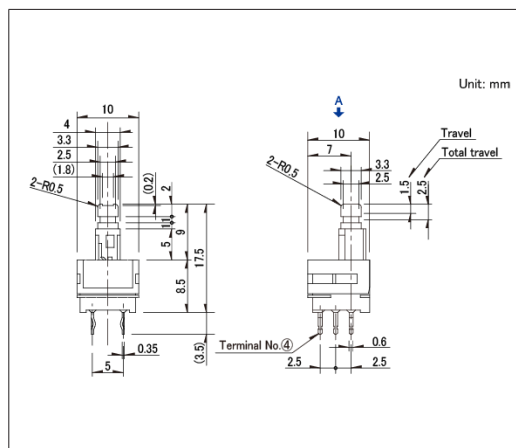
- Circuit Diagram



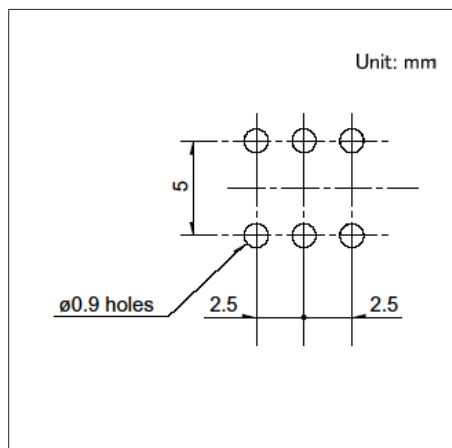
1.5mm-travel Vertical Type SPPH1 Series

Drawing No.10

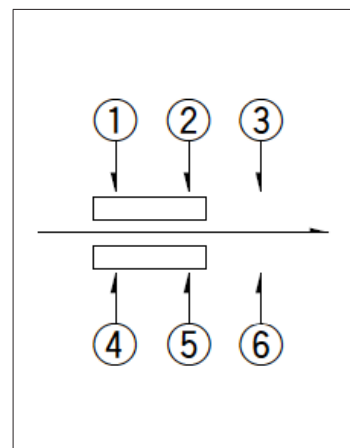
■ Dimensions



■ Mounting Hole Dimensions



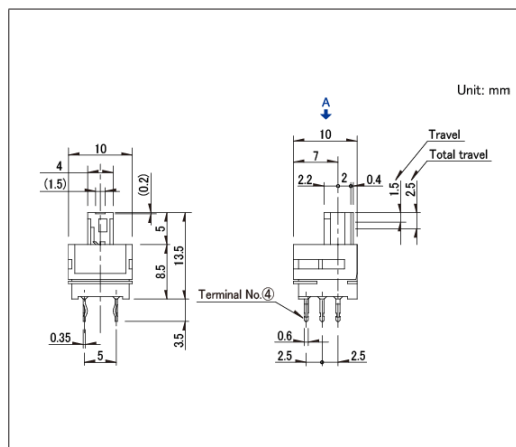
■ Circuit Diagram



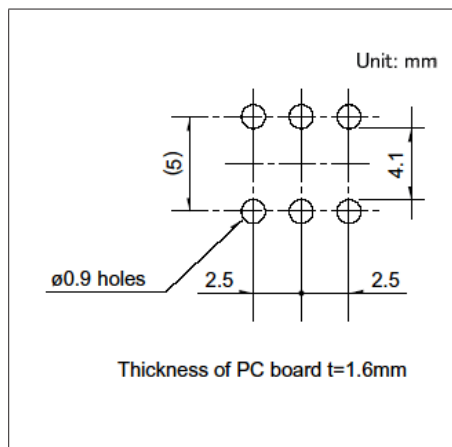
Viewed from direction A in the dimensions.

Drawing No.11

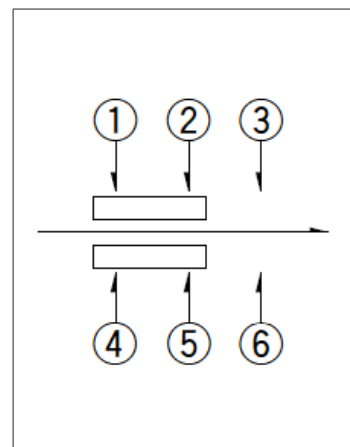
■ Dimensions



■ Mounting Hole Dimensions



■ Circuit Diagram



Viewed from direction A in the dimensions.