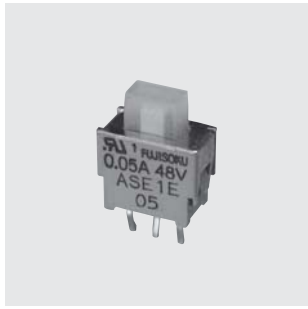


ASE

Washable



RoHS Compliant



Hyper-miniature Slide Switches

UL

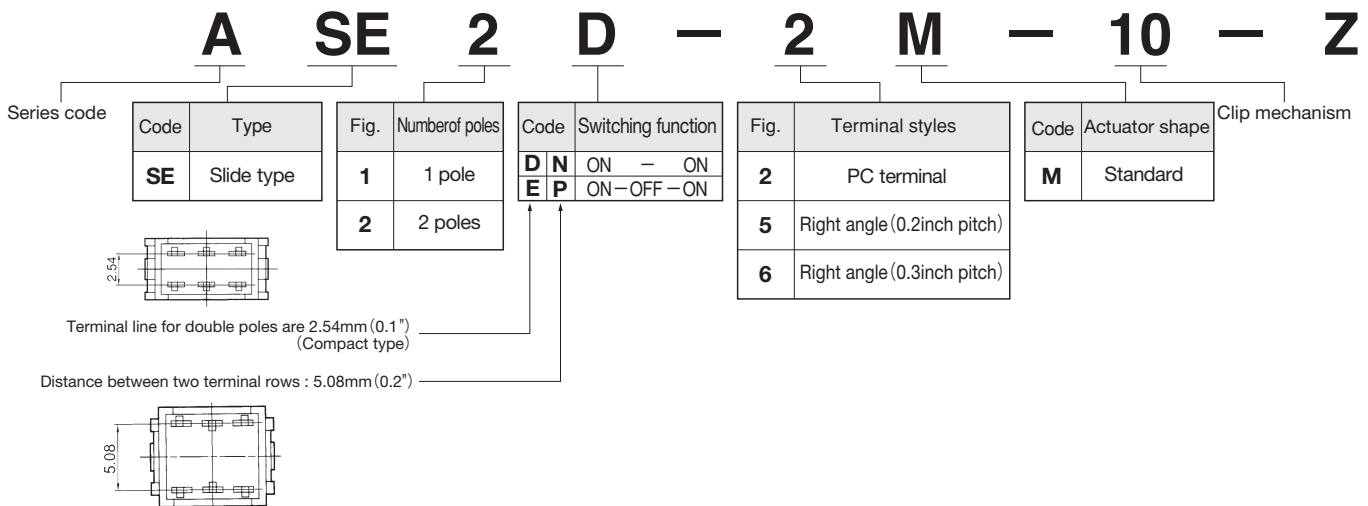
Features

- High Contact Reliability**
Twin-contact clip mechanism for high contact reliability
- Immersion washable type**
- Gold-plated contacts suitable for low current applications**
- For PC board mounting**
- Improved operability**
The independent detent structure provides a light operating touch.
- UL-recognized**

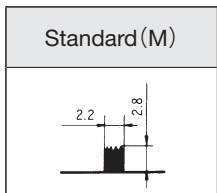
Specifications

| | | | |
|-------------------------------|---------------------------------------|-----------------|-----------|
| Rating | 0.4VA AC/DC | Voltage range | 20mV~48V |
| | Max. | Current range | 1 μA~50mA |
| | Min. | 50mA 60V AC/DC | |
| | | 1 μA 20mA AC/DC | |
| Initial contact resistance | 50mΩ max. (1.5mA 200μ VAC) | | |
| Dielectric strength | 250VAC 1 minute | | |
| Initial insulation resistance | 500MΩ min. (500VDC) | | |
| Electrical life | 10,000 cycles at max. rating. | | |
| | 10,000 cycles at min. rating or 0.4VA | | |
| Operating force | 0.69~4.9N | | |
| Operating temperature range | -20°C~+85°C | | |
| Storage temperature range | -40°C~+85°C | | |

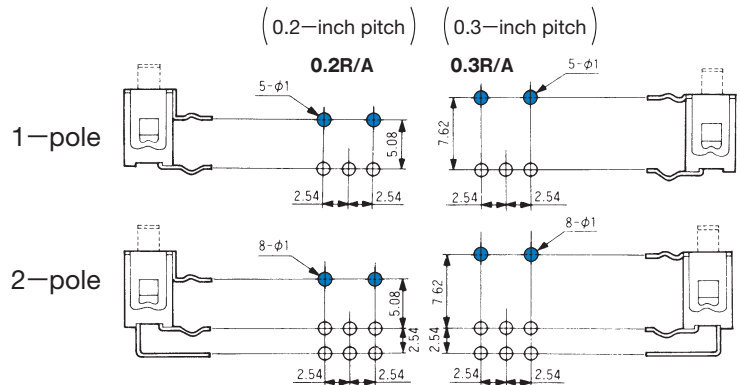
Part Numbering



Actuator Shape



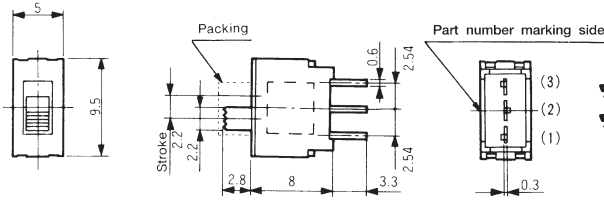
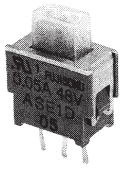
Right Angle Terminals



ASE

SPDT

PC



| Switching function | Viewed from part No. marking side | | |
|----------------------|-----------------------------------|-----|-----|
| | | | |
| Part No. | | | |
| ASE1D-2M-10-Z | ON | — | ON |
| ☆ASE1E-2M-10-Z | ON | OFF | ON |
| Connecting terminals | 2-1 | — | 2-3 |

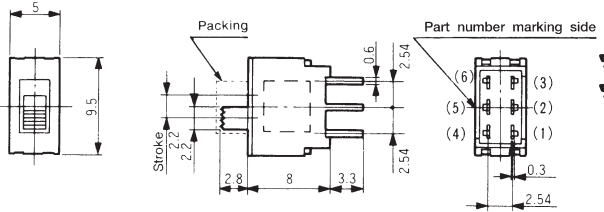
Terminal numbers are not shown on the switch.

DPDT

PC



Distance between two terminal rows : 2.54 mm

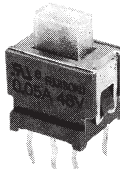


| Switching function | Viewed from part No. marking side | | |
|----------------------|-----------------------------------|-----|------------|
| | | | |
| Part No. | | | |
| ASE2D-2M-10-Z | ON | — | ON |
| ★ASE2E-2M-10-Z | ON | OFF | ON |
| Connecting terminals | 2-1 5-4 | — | 2-3 5-6 |

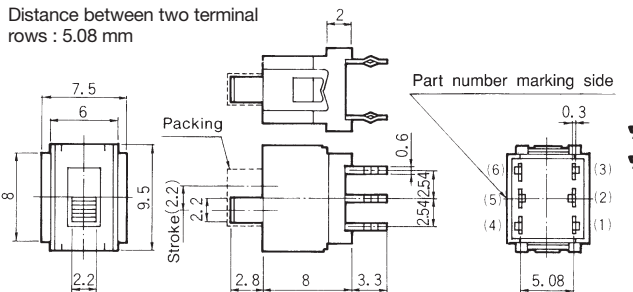
Terminal numbers are not shown on the switch.

DPDT

PC



Distance between two terminal rows : 5.08 mm



| Switching function | Viewed from part No. marking side | | |
|----------------------|-----------------------------------|-----|------------|
| | | | |
| Part No. | | | |
| ☆ASE2N-2M-10-Z | ON | — | ON |
| ★ASE2P-2M-10-Z | ON | OFF | ON |
| Connecting terminals | 2-1 5-4 | — | 2-3 5-6 |

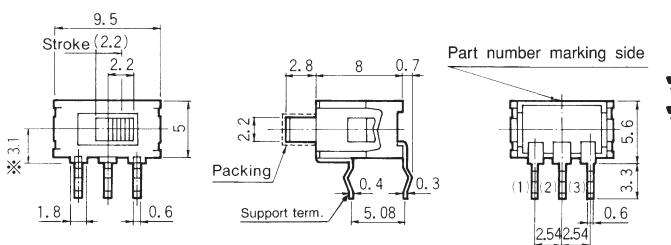
Terminal numbers are not shown on the switch.

SPDT

0.2R/A



Mounting height : 3.1 mm

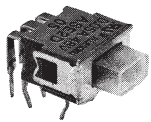


| Switching function | Viewed from part No. marking side | | |
|----------------------|-----------------------------------|-----|-----|
| | | | |
| Part No. | | | |
| ASE1D-5M-10-Z | ON | — | ON |
| ★ASE1E-5M-10-Z | ON | OFF | ON |
| Connecting terminals | 2-1 | — | 2-3 |

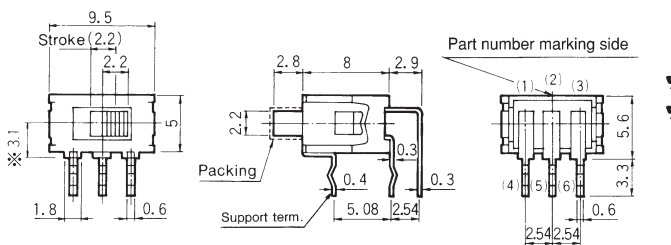
Terminal numbers are not shown on the switch.

DPDT

0.2R/A



Mounting height : 3.1 mm

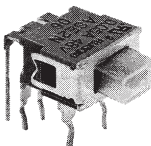


| Switching function | Viewed from part No. marking side | | |
|----------------------|-----------------------------------|-----|------------|
| | | | |
| Part No. | | | |
| ASE2D-5M-10-Z | ON | — | ON |
| ★ASE2E-5M-10-Z | ON | OFF | ON |
| Connecting terminals | 2-1 5-4 | — | 2-3 5-6 |

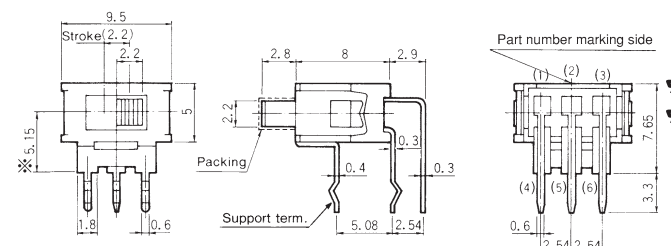
Terminal numbers are not shown on the switch.

DPDT

0.2R/A



Mounting height : 5.15 mm



| Switching function | Viewed from part No. marking side | | |
|----------------------|-----------------------------------|-----|------------|
| | | | |
| Part No. | | | |
| ★ASE2N-5M-10-Z | ON | — | ON |
| ▲ASE2P-5M-10-Z | ON | OFF | ON |
| Connecting terminals | 2-1 5-4 | — | 2-3 5-6 |

Terminal numbers are not shown on the switch.

★ : Made to order products.

● The actuator is sealed with a white-colored packing. Remove the packing with tweezers after the washing process.

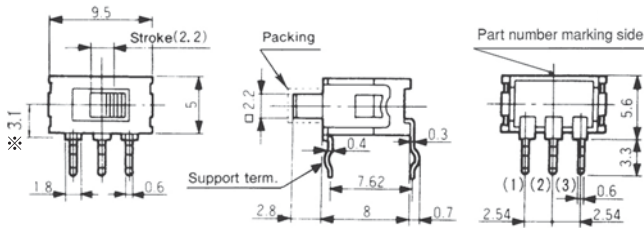
ASE

SPDT

0.3R/A



Mounting height : 3.1 mm

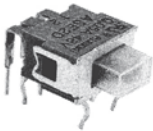


| Switching function | Viewed from part No. marking side | | |
|----------------------|-----------------------------------|-----|-----|
| | | | |
| Part No. | | | |
| ASE1D-6M-10-Z | ON | — | ON |
| ★ASE1E-6M-10-Z | ON | OFF | ON |
| Connecting terminals | 2-1 | — | 2-3 |

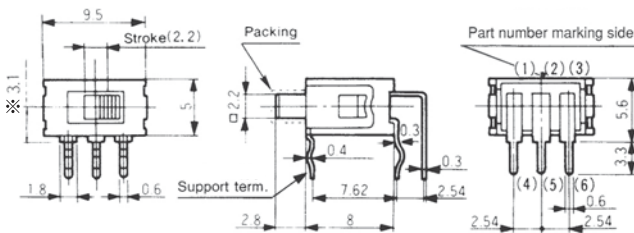
Terminal numbers are not shown on the switch.

DPDT

0.3R/A



Mounting height : 3.1 mm



| Switching function | Viewed from part No. marking side | | |
|----------------------|-----------------------------------|-----|------------|
| | | | |
| Part No. | | | |
| ☆ASE2D-6M-10-Z | ON | — | ON |
| ★ASE2E-6M-10-Z | ON | OFF | ON |
| Connecting terminals | 2-1 5-4 | — | 2-3 5-6 |

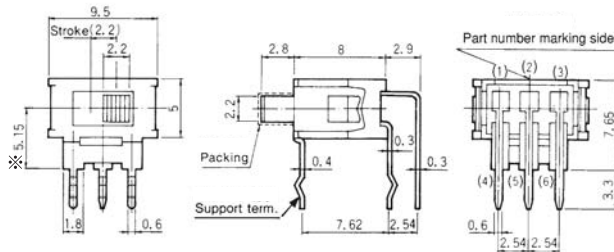
Terminal numbers are not shown on the switch.

DPDT

0.3R/A



Mounting height : 5.15 mm



| Switching function | Viewed from part No. marking side | | |
|----------------------|-----------------------------------|-----|------------|
| | | | |
| Part No. | | | |
| ★ASE2N-6M-10-Z | ON | — | ON |
| ★ASE2P-6M-10-Z | ON | OFF | ON |
| Connecting terminals | 2-1 5-4 | — | 2-3 5-6 |

Terminal numbers are not shown on the switch.

Mounting Height

| Switching function | D·E | N·P |
|--------------------|-----|-----|
| Mounting | | |

Optional Accessories

《Supplied separately》

| Part Name | Bracket |
|------------|---------------------|
| Part No. | 140000640324 |
| Dimensions | |

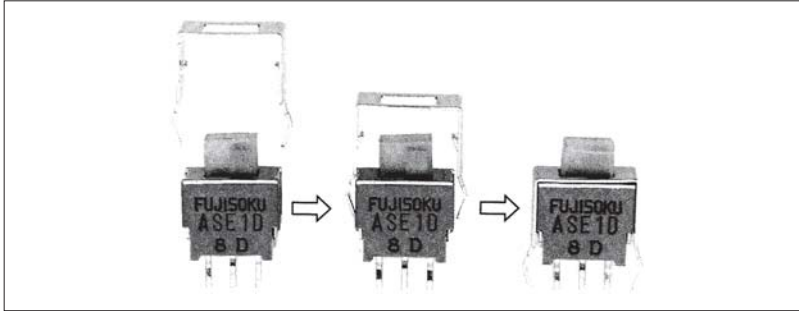
PC Hole Layouts

| Series | P/C terminal | | Right Angle terminal | |
|----------------|-----------------|--------------|----------------------|---------------|
| | Whitout bracket | Whit bracket | 0.2inch pitch | 0.3inch pitch |
| ASE1D ASE1E | | | | |
| ASE2D ASE2E | | | | |
| ASE2N ASE2P | | | | |

★ : Made to order products. ☆ : Semi-standard products.

AS & ASE

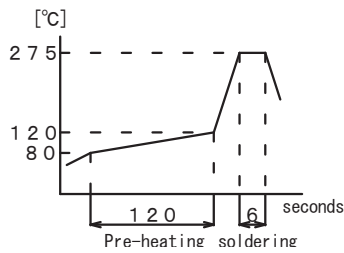
Bracket Installation Procedure



Handling Precautions (AS and ASE Series)

1. Soldering Specifications

- (1) Manual Soldering
 - Device : Soldering iron
 - 380°C, Max.; 3 seconds, Max.
- (2) Auto Soldering
 - Device : Jet wave type or dip type
 - 275°C, Max.; 6 seconds, Max.
 - Pre-heating should be done at temperatures ranging from 80°C to 120°C and within 120 sec.



2. Flux Cleaning

- (1) Solvent : Fluorine or Alcohol type.
- (2) Cleaning after soldering should be done after the terminal temperature falls to 90°C or below, or after leaving the switch for five minutes or longer at room temperature.
AS series are not process sealed and are not washable. If the PC board is to be cleaned, clean the soldering surface of substrate with a brush so that the switch is not exposed to the cleaning solution.
- (3) Do not use ultrasonic cleaning system.

3. Mounting of Switch

- (1) Use the PC boards of $\phi 1$ holes.
- (2) Do not bend the terminals before mounting the switch on the PC board.
- (3) After mounting the switch, do not place the device in such a way that the device weight will be applied on the knob, etc. of the switch.
- (4) Do not apply load exceeding 12.7 N (1.3 kgf) to the knob. Use a bracket (optional accessory) if the load is expected to exceed 12.7 N (1.3 kgf). The strength of the knob will be reinforced to 29.4 N (3 kgf) max..

Packaging Specifications

