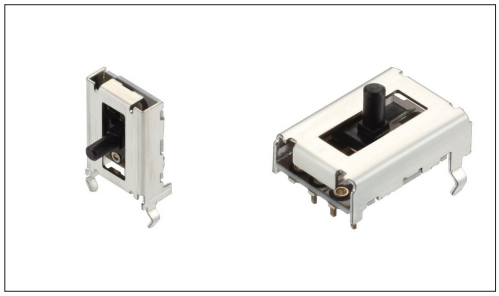
Sensors | Resistive Position Sensors

## Linear Type (Exclusively Used to Detect the Angle of Vehicle Head Lights)

# RD7 Series

**High-precision, space-saving design dedicated to headlight angle detection.**



Automotive

■ Type:Linear

Applications:Automotive:Headlights

■ Product List

| Products No. | Control part orientation | Travel (mm) | Linearity guarantee range | Linearity | Total resistance | Operating life (cycles) | Dimensions (mm) | Automotive | Drawing No. |
|---|---|---|---|---|---|---|---|---|---|
| **RD708A029A** | Horizontal | 8 | 6mm | ±1% | 4.7kΩ | 100,000 | 10.0×5.0×15 | ● | 1 |
| **RD7081015A** | Vertical | 8 | 7mm | ±1% | 5kΩ | 100,000 | 10.0×15.0×4.5 | ● | 2 |
| **RD7091008A** | Vertical | 9 | 7mm | ±1% | 5kΩ | 100,000 | 9.0×15.8×3.7 | ● | 3 |
| **RD712A028A** | Horizontal | 12 | 9mm | ±1% | 2.2kΩ | 100,000 | 10.0×5.0×19.0 | ● | 4 |
| **RD7121008A** | Vertical | 12 | 9mm | ±1% | 10kΩ | 100,000 | 10.0×18.0×5.0 | ● | 5 |

⚠Note

1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. For Linearity, various specifications will be available, depending on the applications. Please consult with us when lacing your orders.
3. Please place purchase orders per minimum order unit (integer).

■ Packing Specifications

Tray

| Products No. | Number of packages(pcs.) | | Export package measurements (mm) |
|---|---|---|---|
| | 1 case / Japan | 1 case / export packing | |
| **RD708A029A RD712A028A** | 2,000 | 4,000 | 527×363×215 |
| **RD7081015A** | 1,500 | 3,000 | 507×363×216 |
| **RD7091008A** | 1,800 | 3,600 | 508×364×192 |
| **RD7121008A** | 1,800 | 3,600 | 507×363×216 |

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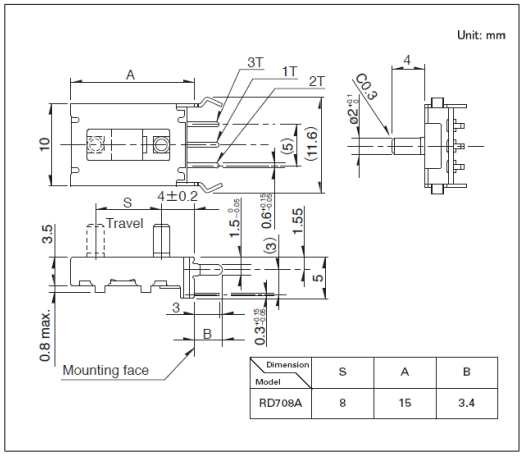
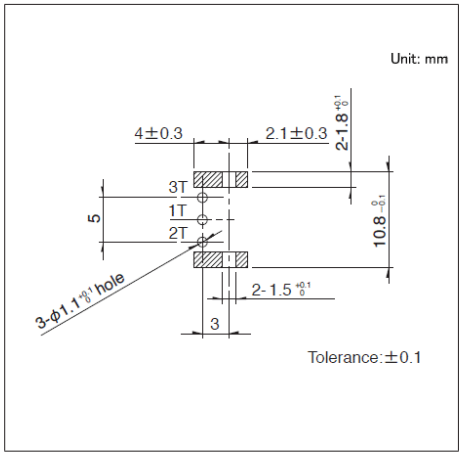
## Drawing No.1

■ Dimensions

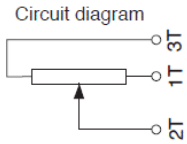



| Dimension / Model | S | A | B |
|---|---|---|---|
| RD708A | 8 | 15 | 3.4 |

■ Mounting Hole Dimensions



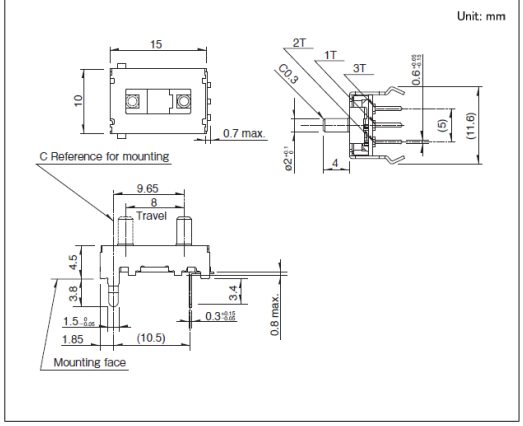

■ Circuit Diagram



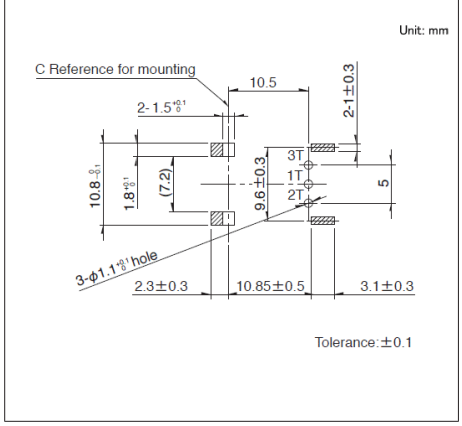

Viewed from mounting side
Do not wire the shaded area

## Drawing No.2

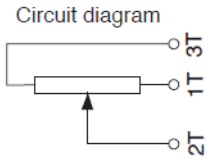
■ Dimensions




■ Mounting Hole Dimensions



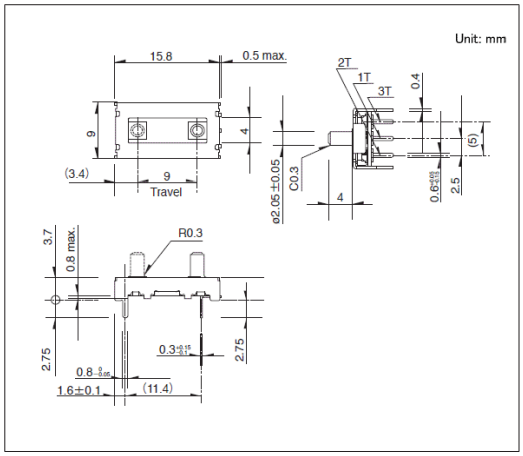

■ Circuit Diagram



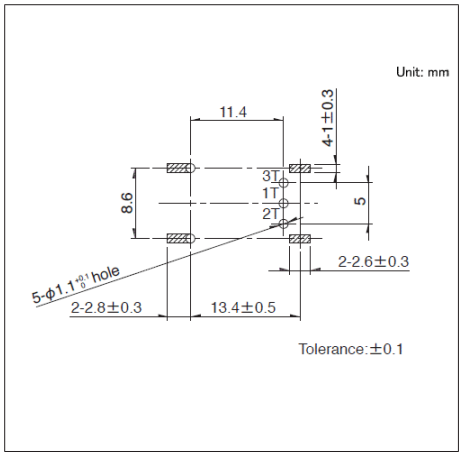

Viewed from mounting side
Do not wire the shaded area

## Drawing No.3

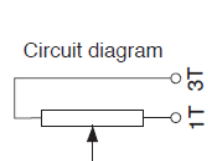
■ Dimensions




■ Mounting Hole Dimensions




■ Circuit Diagram




Viewed from mounting side
Do not wire the shaded area

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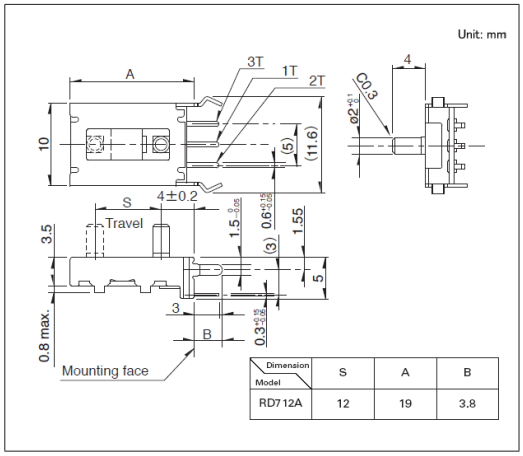
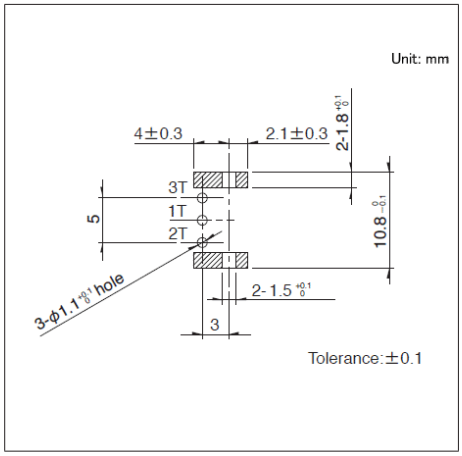
## Drawing No.4

■ Dimensions

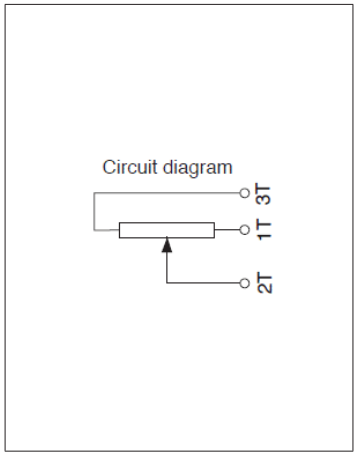



| Dimension / Model | S | A | B |
|---|---|---|---|
| RD712A | 12 | 19 | 3.8 |

■ Mounting Hole Dimensions



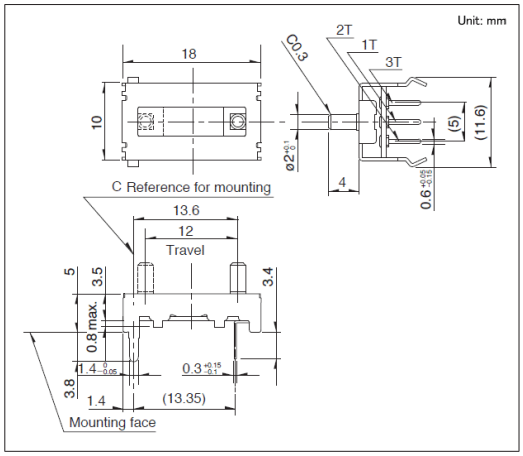

■ Circuit Diagram



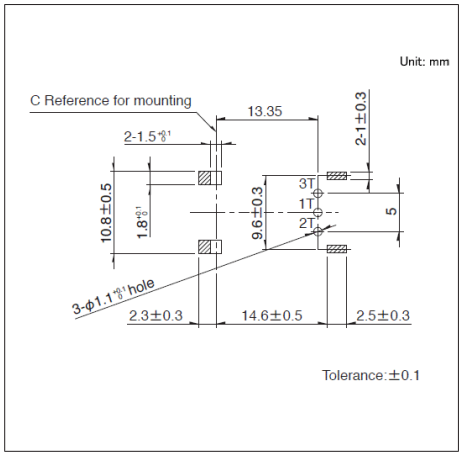

Viewed from mounting side
Do not wire the shaded area

## Drawing No.5

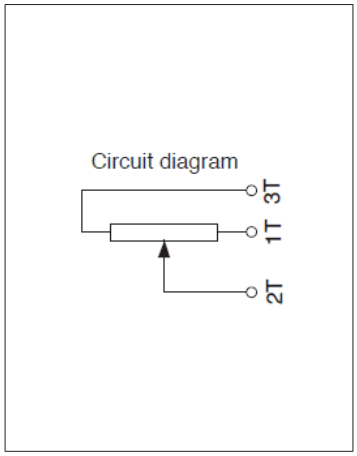
■ Dimensions




■ Mounting Hole Dimensions




■ Circuit Diagram




Viewed from mounting side
Do not wire the shaded area