

Resistive Position Sensors > RD7 Series > RD7121008A

Linear Type (Exclusively Used to Detect the Angle of Vehicle Head Lights) RD7 Series

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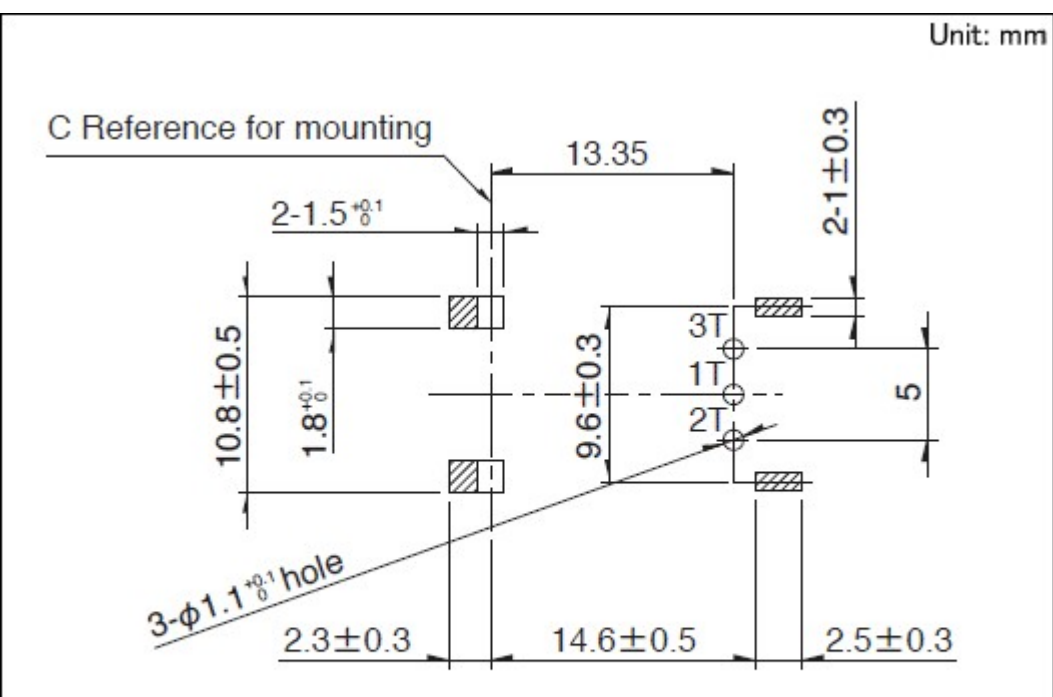
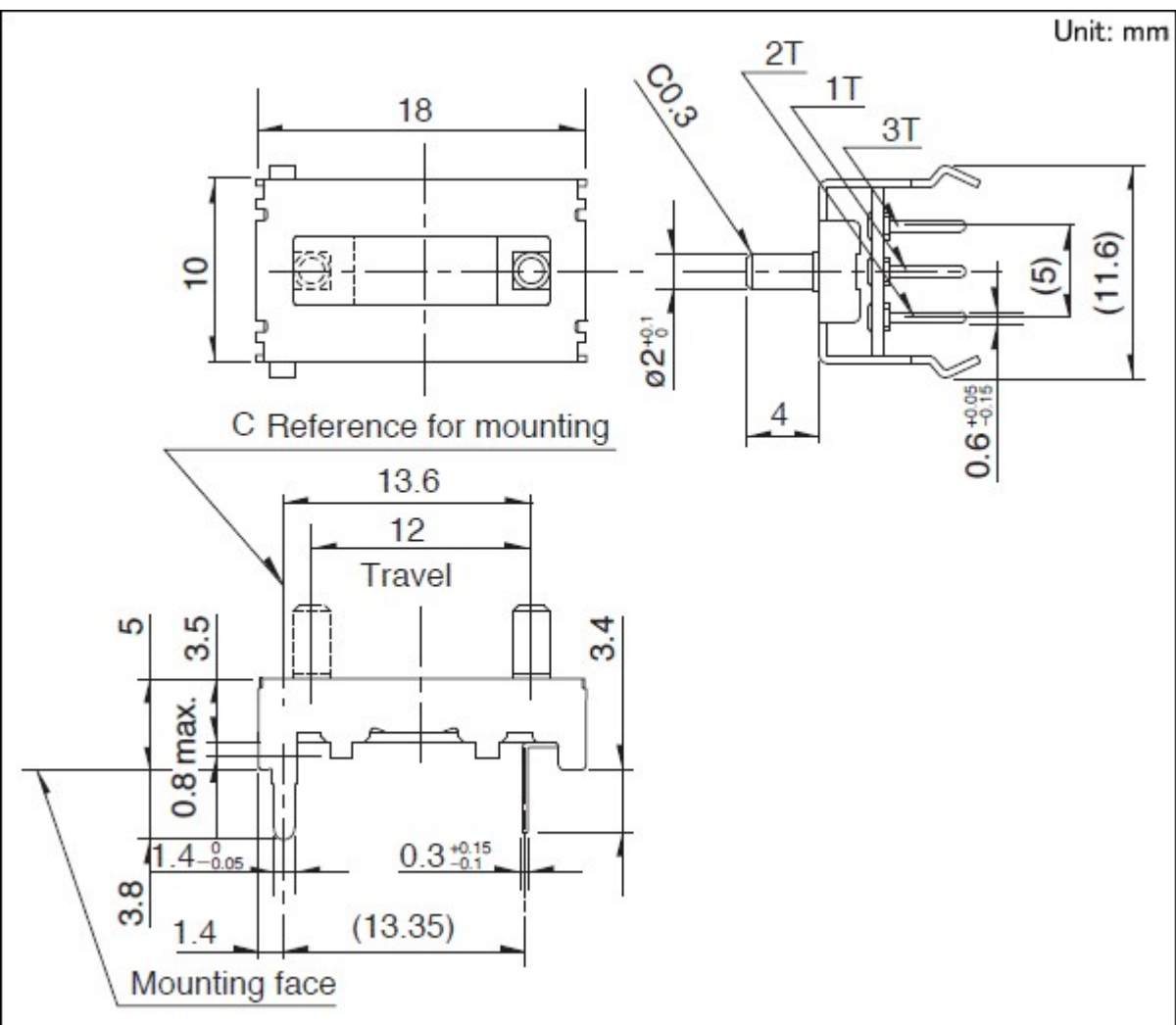
Part number
RD7121008A

 Inquiry

 Series Common Info

 Print

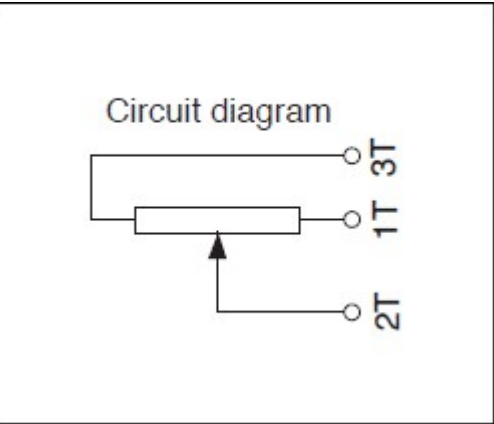
Travel		12mm
Mounting method		Horizontal type
Total resistance		10kΩ
Linearity		±1%
Operating life		100,000 cycles
Rated voltage		12V DC
Operating temperature range		-40°C to +105°C
Mechanical performance	Operating force	2N max.
Electrical performance	Total resistance tolerance	±20%
Environmental test	Cold	-40°C 96h
	Dry heat	105°C 96h
	Damp heat	40°C, 90 to 95%RH 96h
Minimum order unit	Japan	1,800



Tolerance:±0.1

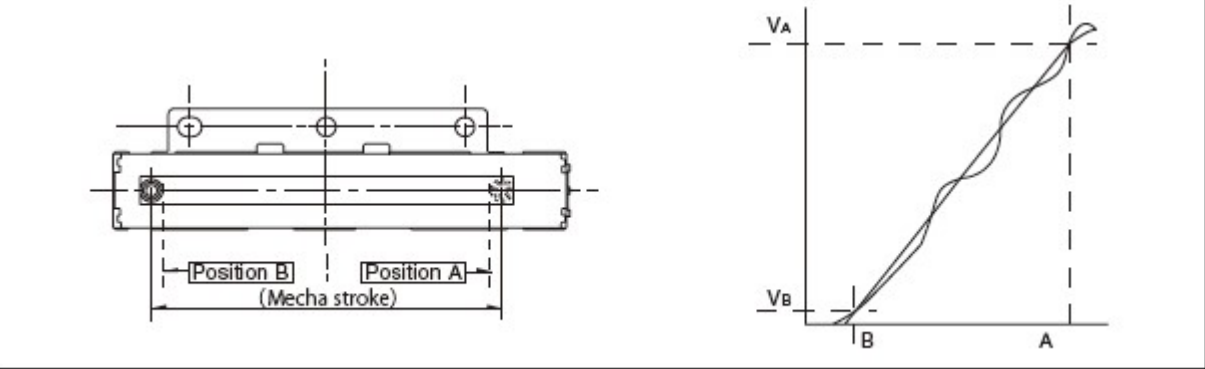
Viewed from mounting side.
Do not wire the shaded area

Circuit Diagram



Linearity

With rated voltage applied between terminals 1 and 3, the straight line which connects the measured output values V_B and V_A at specified reference positions B and A is assumed to be an ideal straight line, so that deviation against the ideal straight line when the voltage applied between terminals 1 and 3 is assumed to be 100% can be expressed as a percentage.



Packing Specifications

Tray

Number of packages (pcs.)	1 case / Japan	1,800
	1 case / export packing	3,600
Export package measurements (mm)		363×507×216

Soldering Conditions

Reference for Dip Soldering

Preheating	Soldering surface temperature	100℃ max.
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	Heating time	1 min. max.
Dip soldering	Soldering temperature	260℃ max.
	Soldering time	5s max.
No. of solders		1 time

Reference for Hand Soldering

Tip temperature	350℃ max.
Soldering time	3s max.

Notes are common to this series/models.

1. This site 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 placing your orders.
3. Place your purchase order in N minimum package units (N: integer).
4. Ask us for the export packaging unit.

Inquiries about Products

 [Inquiry](#)