**14mm NU40B14TR-1 40KHz Waterproof Distance Measuring Transmission& Receipt Ultrasonic Sensor Probe**



**Product Description**

Ultrasonic transducers are sensors that convert ultrasonic signals into other energy signals (usually electrical). This product vibrates a mechanical wave with a frequency of 40KHz. The vibration frequency of this product is 40KHz mechanical wave. It has the characteristics of high frequency, short wavelength, small bypass phenomenon, especially good directionality, and the ability to become ray and directional propagation and other characteristics.

**Applications**

Ultrasonic distance measurement, back-up radar, etc.

Security and alarm systems

Robot design and research

Ultrasonic liquid level measurement

**Product Parameter**

Product Category: Waterproof

Product Category: Transceiver

Center Frequency：40.0KHz±2%

Bandwidth: 1KHz

Transmit sensitivity (reference value): 102dBMin.(40KHz10Vp-p/30cm0dB=10V/Pa)

Receiving sensitivity (reference value): -80dBMin.(40KHz10Vp-p/30cm0dB=10V/Pa)

Static capacitance: 2000pF±20%

Aftershock: 1.2ms Max.

Maximum input voltage (pulse): 120Vp-p

Test distance (reference value): 5m

Direction angle (reference value): Horizontal: 120°±15°(-6dB) Vertical: 60°±15°(-6dB)

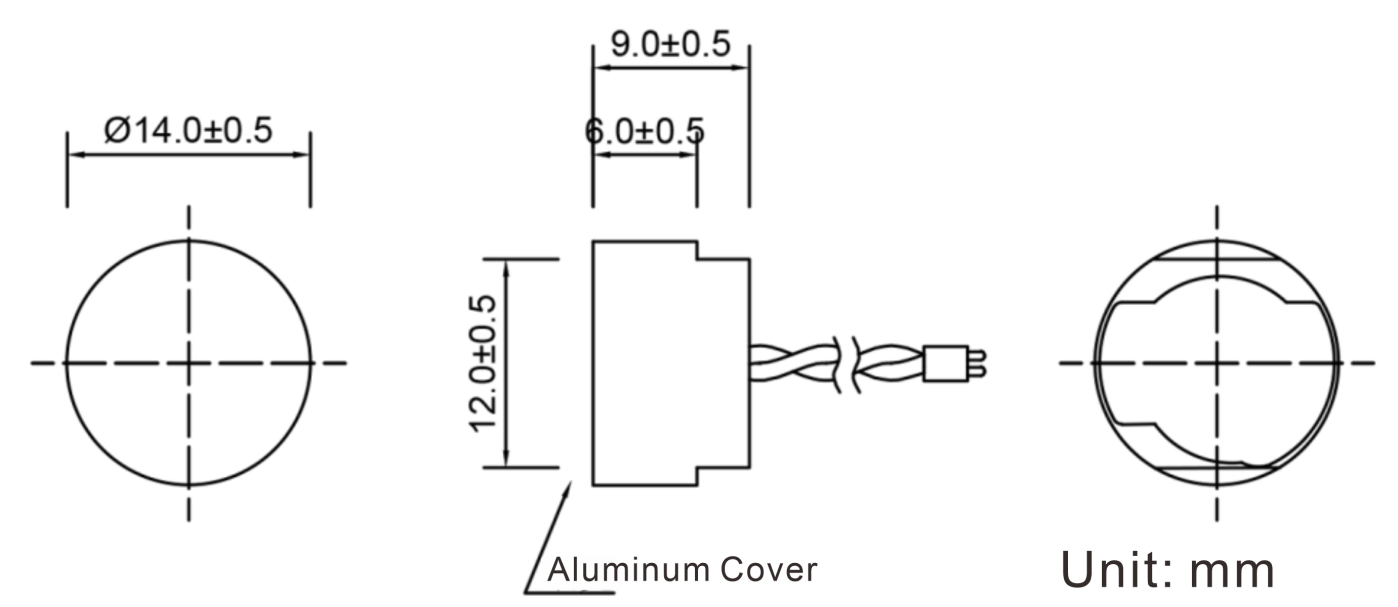
Resolution (reference value): 10mm

Housing Material: Aluminum Shell

Operating Temperature: -20°C~+80°C

Storage temperature: -40°C~+85°C

**Dimensional drawings**

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**Line Graph**

