

240 kHz Air transducer



Model: A240C1

P/N: H2KA240KC1CD00



A240C1 ultrasonic transducer is designed to deliver outstanding performance at around 240 kHz frequency using our in-house piezo ceramic. The transducer works as a signal transmitting and receiving unit. This ultrasonic transducer is suitable for gas flow detection and proximity measurement with high sensitivity, low noise, low ZFD (zero flow drift), high precision as well as exceptional reliability.

Features

- High performance
- High reliability
- Chemical resistance
- Waterproof IP68
- Patented technologies

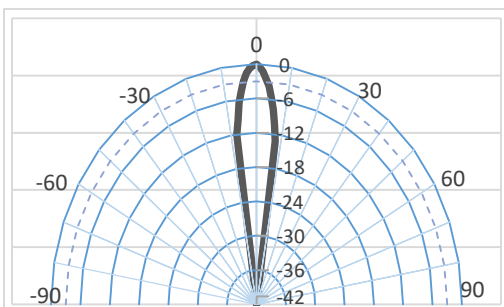
Major Applications

- Anemometer
- Gas flow meter
- Proximity measurement
- Non-contact level detection

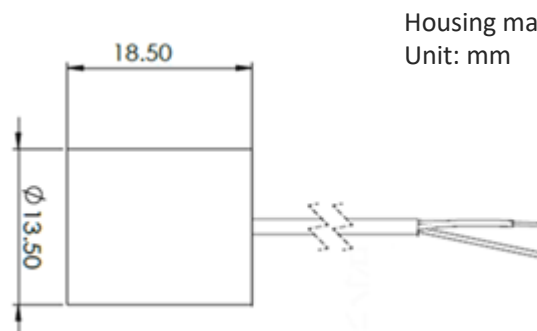
Specifications

Operation Frequency	240 kHz
Capacitance (@ 1 kHz, 1Vrms)	400 pF
Directivity (Full Angle @-3 dB)	8 Degree
Maximum Driving Voltage (2% Duty Cycle Tone Burst)	500 V _{p-p}
Dimension-OD (Face)	13.5 mm
Dimension-Height	18.5 mm
Operating Temperature	-30°C to +60°C
Storage Temperature	-40°C to +85°C

Directivity Diagram



Dimensions



Housing material: CPVC
Unit: mm

