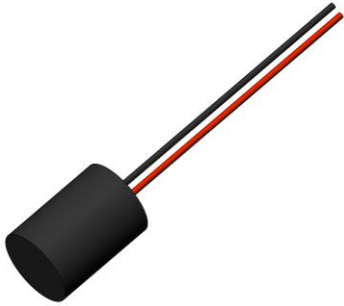


240 kHz Air transducer



Model: A240A

P/N: H2KA240KA1CD00



A240A works as a signal transmitting and receiving unit. This ultrasonic transducer is suitable for non-contact level detection and proximity measurement with extraordinary reliability. In particular, the transducer with the PVDF housing can operate under harsh chemical environment to measure the level of fluids, pastes, and coarse bulk materials.

Features

- High performance
- High reliability
- PVDF housing
- FDA compliance
- Chemical resistance
- Waterproof IP68
- Patent pending

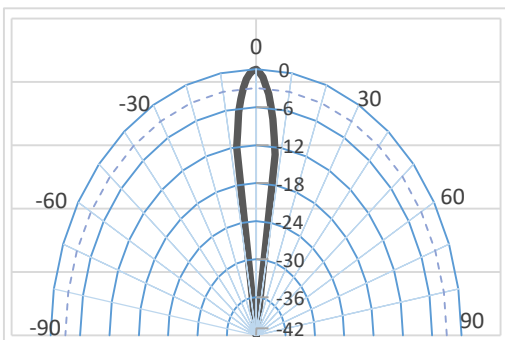
Specifications

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}
Maximum Sensing Range	100 cm
Blind Zone	< 4 cm
Dimension-OD (Face)	13.5 mm
Dimension-Height	18.5 mm
Wire	UL1430 #24 AWG ϕ 1.43mm

Major Application

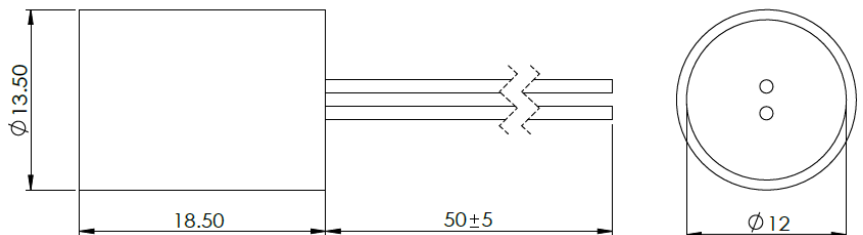
- Non-contact level detection
- Proximity measurement

Directivity Diagram



Dimensions

Housing material: PVDF
Unit: mm



As Unictron continues to improve its products, all specifications are subject to change without notice. All specifications are typically measured at $25 \pm 3^\circ \text{C}$, 45 to 60% RH.