

## #10-3165



40kHz 16.4mm  
Open AI Transceiver

### FEATURES

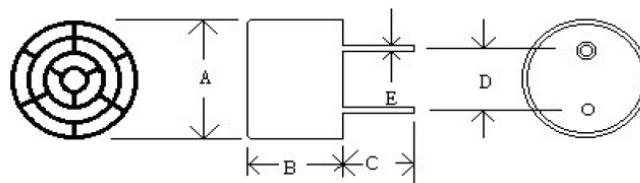
- High Sensitivity
- Excellent Sound Pressure
- Competitive Pricing
- Matched Pairs Available
- Fast Delivery

### APPLICATIONS

- Proximity Sensors
- Object Detectors
- Level Sensors
- Motion Detectors
- Pest Deterrents

### TECHNICAL SPECIFICATIONS

Center Frequency	40.0 ±1.0 kHz
Bandwidth (-6db)	2.0 kHz
Transmitting Sound Pressure Level at 40.00kHz *	>117 dB
Receiving Sensitivity at 40.00kHz **	>-65 dB min
Impedance (Ohm)	< 2,000
Nominal Capacitance at 1kHz	2,400 pF
Max. Driving Voltage (Burst 20 cycles)	20 Vrms (100Vpp Rep 25ms)
Total Beam Angle -6dB	40° typical
Operation / Storage Temperature	-30 to 70° C / -40 to 80° C
Housing	Aluminum Wire Mesh
RoHS	RoHS Compliant
Outer Diameter (A)	16.20 ±0.25 mm
Housing Length (B)	12.20±0.5 mm
Pin Length (C)	9.50±1.0 mm
Pin Spacing (D)	10.00 ±1.0 mm
Pin Diameter (E)	1.00 ±0.2mm



\* 0dB re 0.0002ubar  
(10Vrms at 30cm)  
\*\* 0dB= 1 volt/ubar

Rev. 6/8/22