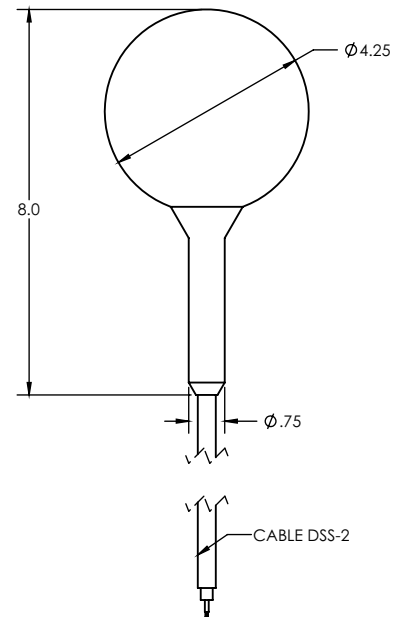


SPHERICAL TRANSDUCER

SX147-00

The SX147-00 transducer is made with a piezoelectric ceramic sphere and is comparable to the ITC-1001. The piezo element offers omnidirectional transmit capability at a 17 kHz resonance and a broadband receive capability from 1 - 25 kHz. The SX147-00 can be wired in series and custom preamps are also available to increase receive sensitivity. Piezo spheres are mechanically robust, allowing good depth ratings and better tolerances against mechanical shock. Mounting options and connector types can be modified to meet customer requirements. Contact us to discuss your specific requirements.

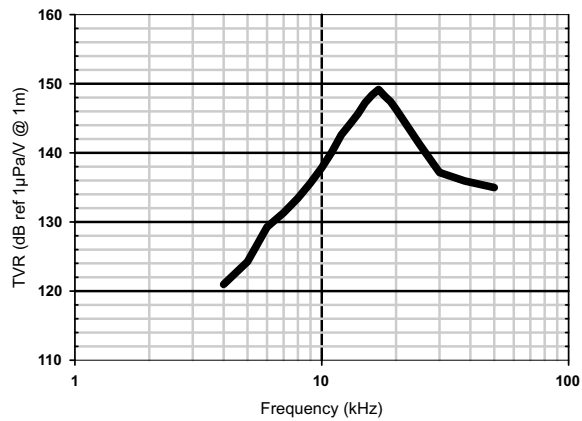


| | |
|-----------------------------|---------------------------------|
| TRANSMIT SENSITIVITY | 149 dB re 1 μ Pa/V @ 1 m |
| RECEIVE SENSITIVITY | -190 dB re 1 V/ μ Pa @ 20°C |
| RESONANCE FREQUENCY | 17 kHz |
| CAPACITANCE | 70 nF \pm 15% @ 20°C |
| OPERATING DEPTH | 1250 m |

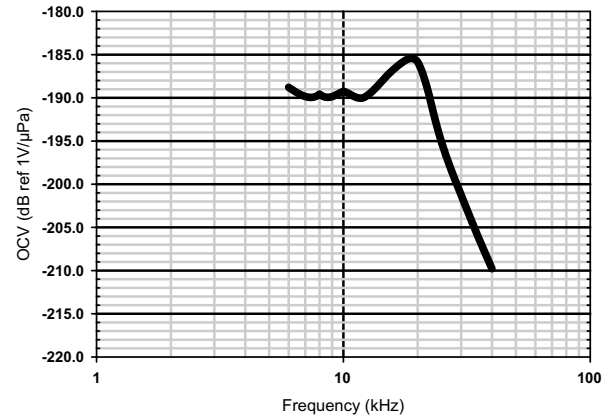


SPHERICAL PROJECTOR SX147-00

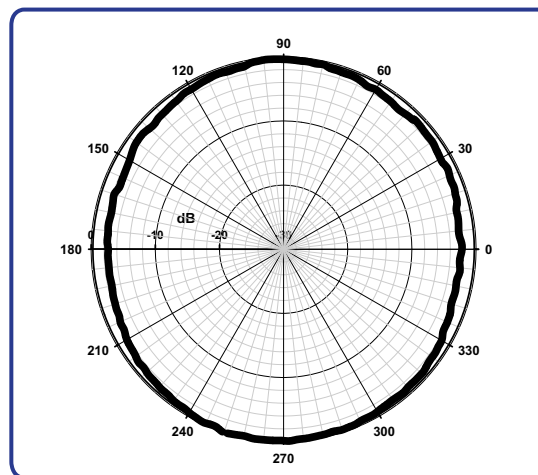
SENSOR
TECHNOLOGY



Transmit Voltage Response



Receive Voltage Response



Directivity Pattern at 17 kHz, Radial Plane

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