

Air Ultrasonic Ceramic Transducers 400st R160 Impedance

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Air Ultrasonic Ceramic Transducers 400st

Pro-Wave Electronics 400ST/R160 Air Ultrasonic Ceramic Transducers are suitable for continual wave driving, such as Doppler motion detector. A piezoelectric ceramic disc is mounted on the node of the fundamental resonant frequency and a conical metal resonator is bonded at the center of the disc that acts as a rigid piston.

Pro-Wave Electronics 400ST/R160 Air Ultrasonic Ceramic ...

Air Ultrasonic Ceramic Transducers 400ST/R160 Specification 400ST160 Transmitter 400SR160 Receiver Center Frequency 40.0±1.0KHz Bandwidth (-6dB) 400ST160 2.0KHz 400SR160 2.5KHz Transmitting Sound Pressure Level at 40.0KHz; 0dB re 0.0002 bar per 10Vrms at 30cm 120dB min. Receiving Sensitivity at 40.0KHz 0dB = 1 volt/ bar-61dB min.

Air Ultrasonic Ceramic Transducers 400ST/R160 Impedance ...

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Air Ultrasonic Ceramic Transducers ... - Robot Electronics

400ST-R120 Air Ultrasonic Ceramic Transducers . Tested under 1Vrms Oscillation Level 400SR120 Impedance 400SR120 Phase 400ST120 Impedance 400ST120 Phase. Specification. 400ST120 400SR120 Center Frequency Bandwidth 400ST120 400SR120 Transmitting Sound Pressure Level re 0.0002μbar

Air Ultrasonic Ceramic Transducers - DigChip IC database

Specification: 400ST160: Transmitter: 400SR160: Receiver: Center Frequency: 40.0±1.0KHz: Bandwidth(-6dB) 2.0KHz (Tx), 2.5KHz(Rx)

400STR160 Spec

Air Ultrasonic Ceramic Transducers 400ST/R160 Specification 400ST160 Transmitter 400SR160 Receiver Center Frequency 40.0±1.0KHz Bandwidth (-6dB) 400ST160 2.0KHz 400SR160 2.5KHz Transmitting Sound Pressure Level at 40.0KHz; 0dB re 0.0002 bar per 10Vrms at 30cm 120dB min. Receiving Sensitivity at 40.0KHz 0dB = 1 volt/ bar-61dB min.

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Air Ultrasonic Ceramic Transducers 250ST/R180 Specification 250ST180 Transmitter 250SR180 Receiver Center Frequency 25.0±1.0KHz Bandwidth (-6dB) 250ST180 1.5KHz 250SR180 1.8KHz Transmitting Sound Pressure Level at 25.0KHz; 0dB re 0.0002μbar per 10Vrms at 30cm 112dB min. Receiving Sensitivity at 25.0KHz 0dB = 1 volt/μbar-62dB min.

Air Ultrasonic Ceramic Transducers

Directivity of a flexional ultrasonic transducer (see figure) depends on the wavelength of the emitted signal in air (λ), the diameter of the area radiating the signal (D), and the uniformity of the vibrations across the surface of the ceramic element. As λ is decreased, or D is increased, the angle of the beam narrows.

Ultrasonic Air Transducers - Piezo Products & Materials ...

Ideally, you'd want a way to move the transducer in this fashion, at the frequency needed (40 KHz). Moving it in only a single direction reduces its efficiency. The receive section is the more difficult area to build (in all but the simplest schematics I have seen), but it is necessary if you want to be able to have good range and accuracy.

Air Ultrasonic Transd. 400ST/R100 ... - Arduino Forum - Index

Air Ultrasonic Ceramic Transducers400ST/R160Specification400ST160Transmitter400SR160ReceiverCenter Frequency40.0±1.0KHz datasheet search, datasheets, Datasheet search site for Electronic Components and Semiconductors, integrated circuits, diodes and other semiconductors.

400ST160 datasheet(1/2 Pages) ETC | Air Ultrasonic Ceramic ...

Air Ultrasonic Ceramic Transducers, 400ST/R12B datasheet, 400ST/R12B circuit, 400ST/R12B data sheet : ETC2, alldatasheet, datasheet, Datasheet search site for Electronic Components and Semiconductors, integrated circuits, diodes, triacs, and other semiconductors.

400ST/R12B Datasheet(PDF) - List of Unclassified Manufacturers

Air Ultrasonic Ceramic Transducers Specification 400ST160 400SR160 Center Frequency Bandwidth (-6dB) 400ST160 400SR160 Transmitting Sound Pressure Level at 40.0Khz; 0dB re 0.0002 bar per 10Vrms at 30cm Receiving Sensitivity at 40.0Khz 0dB = 1 volt/ bar Capacitance at 1Khz 20% Max.

400ST160 PROWAVE, 400ST160 Datasheet

1 ST/R Aluminum Housing. 2 ST/R16B Black 1 ST/R Aluminum Housing. 2 ST/R16B Black Al. Housing. 3 ST/R16P Plastic. Pro-Wave Electronics ST/R Air Ultrasonic Ceramic Transducers are available at Mouser Electronics and are suitable for continual wave driving, such as. ST/R datasheet, cross reference, circuit and application notes in pdf format.

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