MIDAS Sensors
design • manufacture • supply

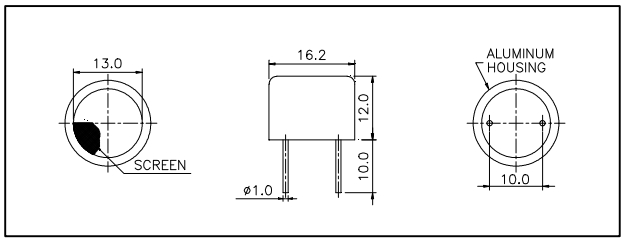
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Air Ultrasonic Ceramic Transducers 400PT160

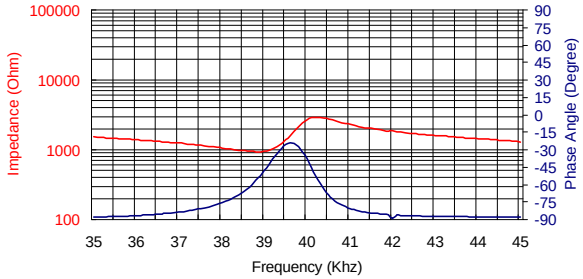


Dimensions: dimensions are in mm



Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level

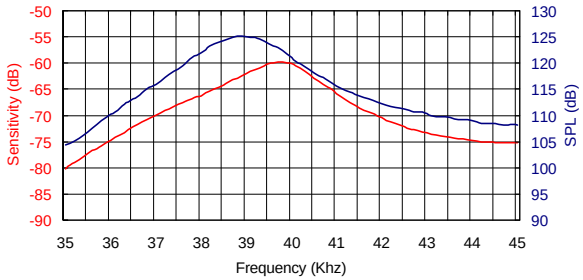


Specification

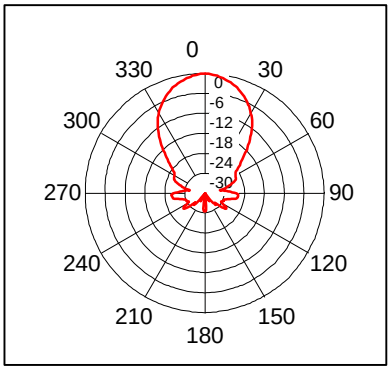
400PT160	Transceiver
Center Frequency	40.0±1.0Khz
Bandwidth (-6dB) 400PT160	2.0Khz
Transmitting Sound Pressure Level at resonant frequency; 0dB re 0.0002µbar per 10Vrms at 30cm	117dB min.
Receiving Sensitivity at resonant frequency 0dB = 1 volt/µbar	-65dB min.
Nominal Impedance (Ohm)	1000
Ringing (ms)	1.2 max.
Capacitance at 1Khz ±20%	2400 pF
Max. Driving Voltage (cont.)	20Vrms
Total Beam Angle -6dB	55° typical
Operation Temperature	-30 to 80°C
Storage Temperature	-40 to 85°C

Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



Beam Angle: Tested at 40.0Khz frequency



All specification taken typical at 25°C
Closer frequency tolerance, shorter ringing and wider bandwidth models can be supplied upon request.

Model available:

1	400PT160	Aluminum Housing

Supplied by Midas Components Ltd - 01493 602602 - www.midascomponents.co.uk