

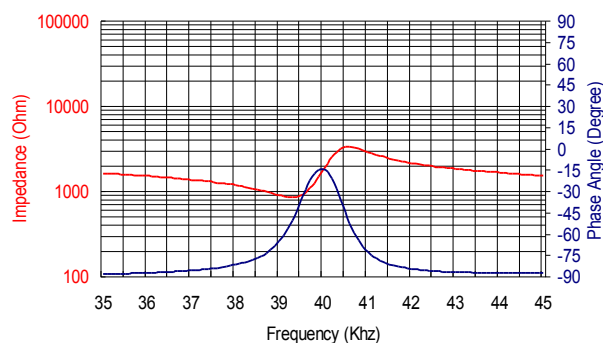
Air Ultrasonic Ceramic Transducers

400PT120



Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



Specification

400PT120	Transceiver
Center Frequency	40.0±1.0KHz
Bandwidth (-6dB)	400PT120 2.0KHz
Transmitting Sound Pressure Level	115dB min.
at 40.0KHz; 0dB re 0.0002μbar per 10Vrms at 30cm	
Receiving Sensitivity	-68dB min.
at 40.0KHz 0dB = 1 volt/μbar	
Nominal Impedance (Ohm)	1000
Ringing (ms)	1.2 max.
Capacitance at 1KHz ±20%	2400 pF
Max. Driving Voltage (cont.)	20Vrms
Total Beam Angle -6dB	85° typical
Operation Temperature	-30 to 70°C
Storage Temperature	-40 to 80°C

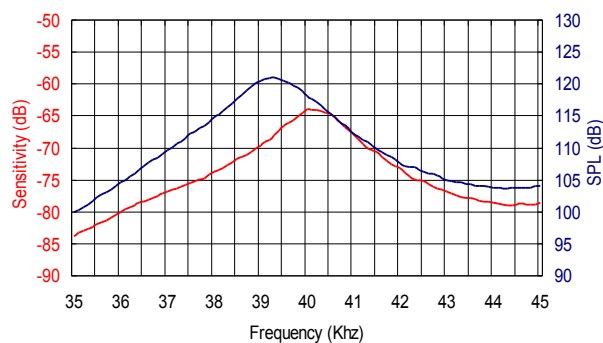
All specification taken typical at 25°C
Closer frequency tolerance, shorter ringing and wider bandwidth models can be supplied upon request.

Model available:

1	400PT120	Aluminum Housing
2	400PT12B	Black Al. Housing
3	400PT12P	Plastic Housing

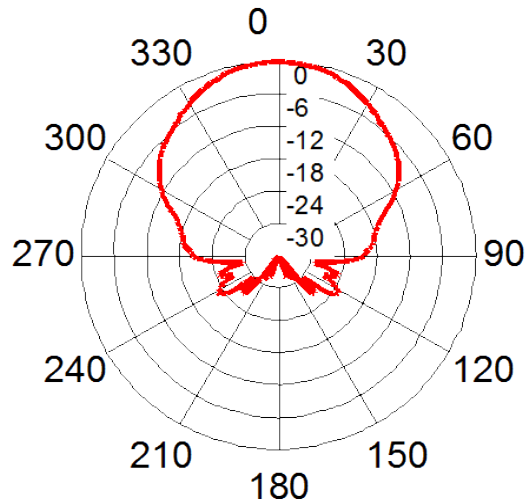
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm

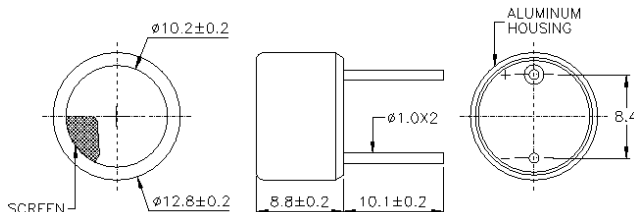


Beam Angle

Tested at 40.0KHz frequency



Dimensions: dimensions are in mm



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