

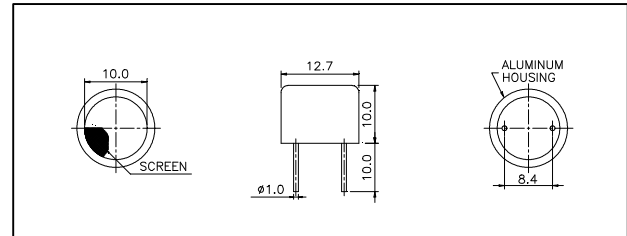
PROWAVE

Air Ultrasonic Ceramic Transducers

400PT120

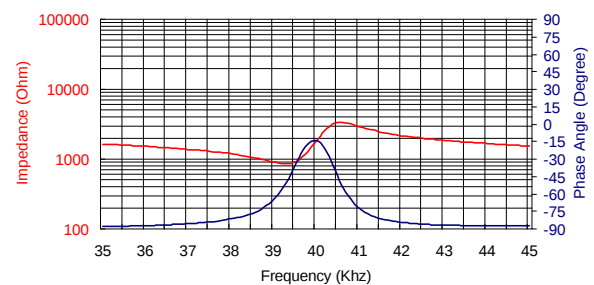


Dimensions: dimensions are in mm



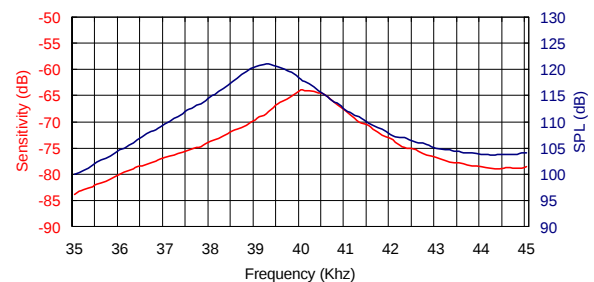
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level

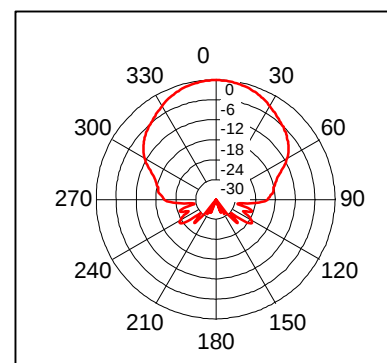


Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



Beam Angle: Tested at 40.0Khz frequency



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

Ringin (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 80°C

Storage Temperature

-40 to 85°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
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