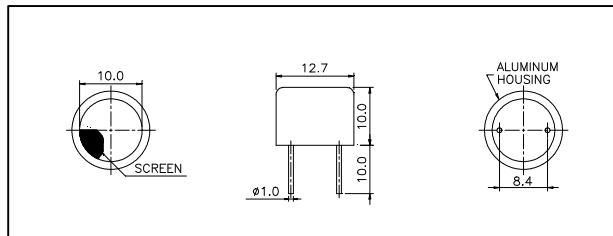


## Air Ultrasonic Ceramic Transducers

400PT120

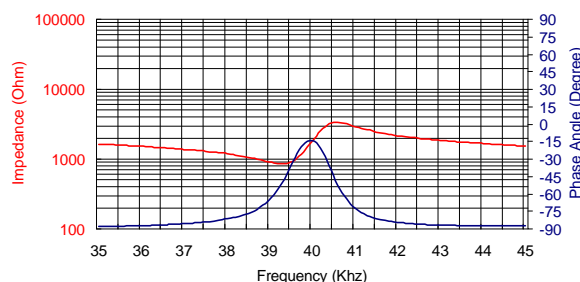


**Dimensions:** dimensions are in mm



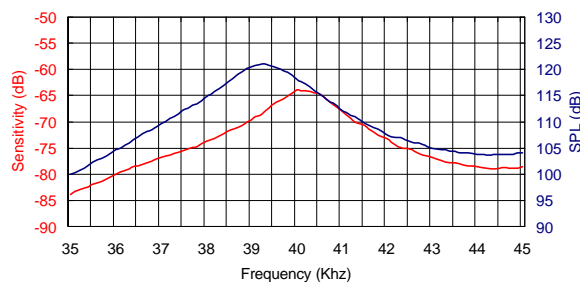
### Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level

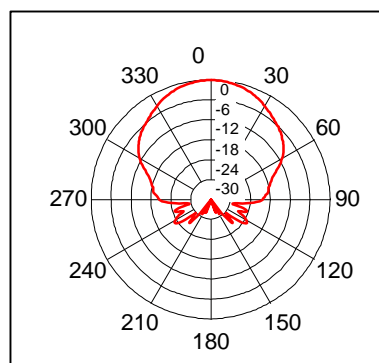


### Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



**Beam Angle:** Tested at 40.0Khz frequency



### Specification

#### 400PT120

Center Frequency	40.0±1.0Khz	Transceiver
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	
Ringng (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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