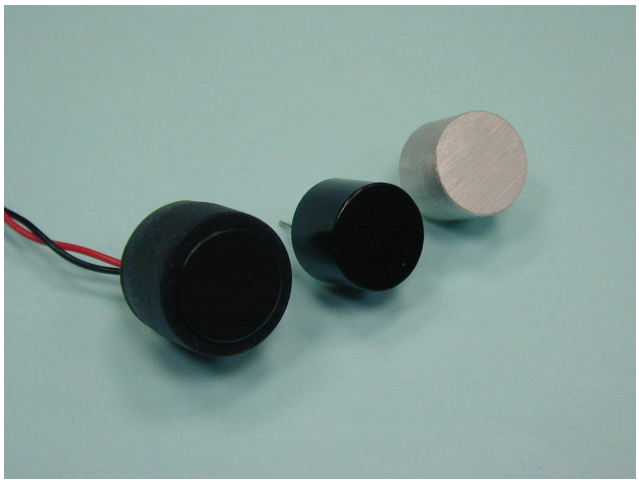
Air Ultrasonic Ceramic Transducers 400EP125



Specification

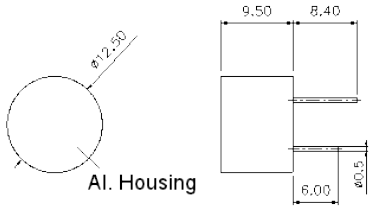
400EP125	Transceiver
Center Frequency	40.0±1.0Khz
Bandwidth (-6dB) 400EP125	1.5Khz
Transmitting Sound Pressure Level (with rubber sleeve) at resonant frequency;0dB re 0.0002µbar per 10Vrms at 30cm	98dB min.
Receiving Sensitivity (with rubber sleeve) at resonant frequency 0dB = 1 volt/µbar	-80dB min.
Nominal Impedance (Ohm)	1000
Ringing (ms) @25°C	1.2 max.
Capacitance at 1Khz ±20%	1400 pF
Max. Driving Voltage (Cont.)	20Vrms
20 bursts, 25ms repetition rate	100Vpp
Total Beam Angle -6dB	125°
Operation Temperature	-30 to 70°C
Storage Temperature	-40 to 80°C

All specification taken typical at 25°C
Models of less ringing are available

Models available:

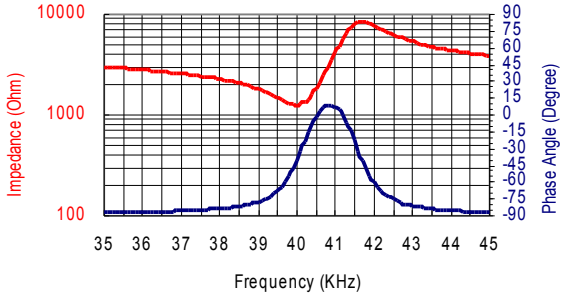
1	400EP125	Natural Aluminum Housing
2	400EP125B	Black Painted Housing
3	400EP125BR	Black Housing+Rubber Sleeve

Dimensions: dimensions are in mm



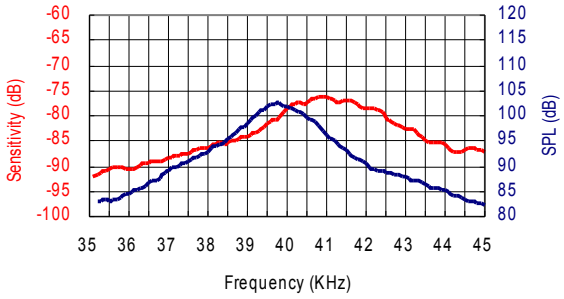
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level

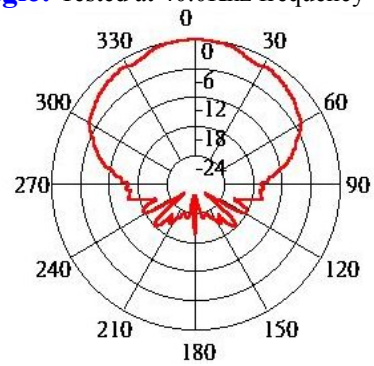


Sensitivity/Sound Pressure Level

SPL Tested under 10Vrms@30cm



Beam Angle: Tested at 40.0Khz frequency



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