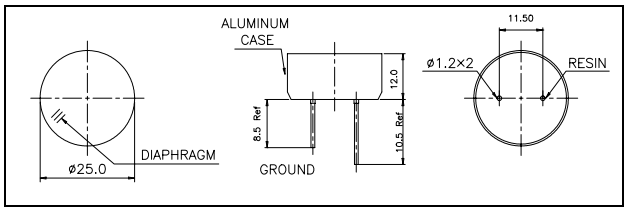
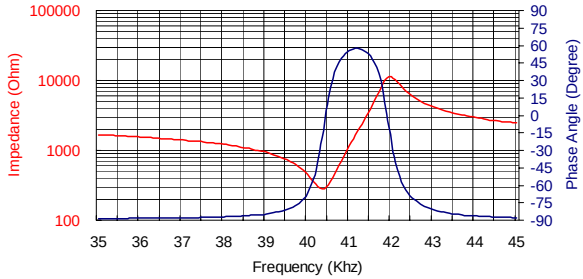
Air Ultrasonic Ceramic Transducers 400EP250

Dimensions: dimensions are in mm



Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



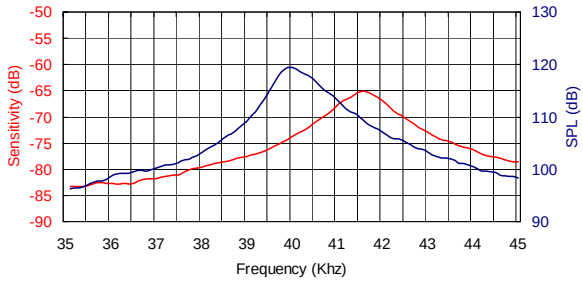
Specification

400EP250	Transceiver
Center Frequency	40.0±1.0Khz
Bandwidth (-6dB) 400EP250	4.0Khz(FOM)
Transmitting Sound Pressure Level at resonant frequency; 0dB re 0.0002µbar per 10Vrms at 30cm	113dB min.
Receiving Sensitivity at resonant frequency 0dB = 1 volt/µbar	-72dB min.
Nominal Impedance (Ohm)	2400
Ringing (ms)	1.2 max.
Capacitance at 1Khz ±20%	2400 pF
Temperature Compensated Type	4800 pF
Max. Driving Voltage (cont.)	20Vrms
Total Beam Angle -6dB	30° typical
Operation Temperature	-30 to 80°C
Storage Temperature	-40 to 85°C

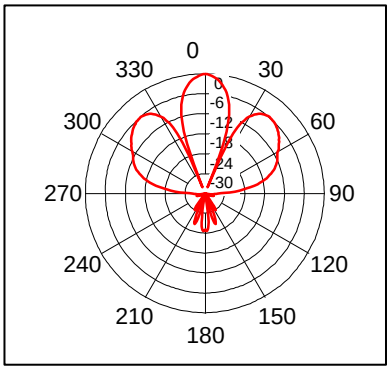
All specification taken typical at 25°C
Closer frequency tolerance, shorter ringing, wider bandwidth and temperature compensated models can be supplied upon request.

Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



Beam Angle: Tested at 40.0Khz frequency



Model available:

1	400EP250	Aluminum Housing
2	400EP25B	Black Al. Housing