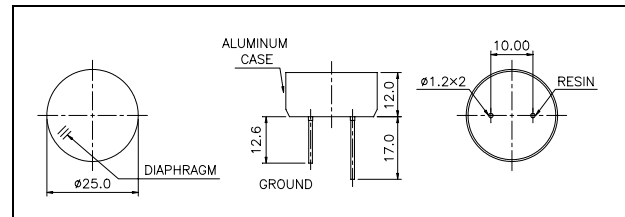




Dimensions: dimensions are in mm



Specification

400ET250	Transmitter
400ER250	Receiver
Center Frequency	40.0±1.0Khz
Bandwidth (-6dB)	400ET250 1.0Khz 400ER250 1.0Khz
Transmitting Sound Pressure Level	115dB min. (107 dB min. for SUS316)
at 40.0Khz; 0dB re 0.0002μbar per 10Vrms at 30cm	
Receiving Sensitivity	-70dB min. (-72 dB min. for SUS316)
at 40.0Khz 0dB = 1 volt/μbar	
Capacitance at 1Khz	±20% 2400 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 can be supplied upon request.

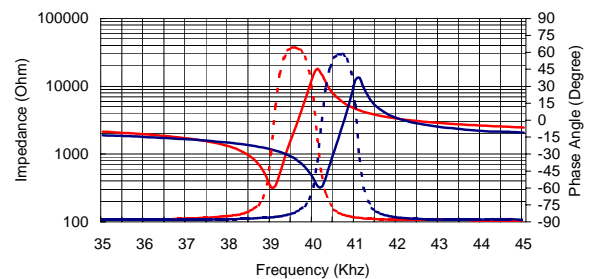
Model available:

1	400ET/R250	Aluminum Housing
2	400ET/R25B	Black Alum. Housing
3	400ET/R25S	SUS 316 Housing

Impedance/Phase Angle vs. Frequency

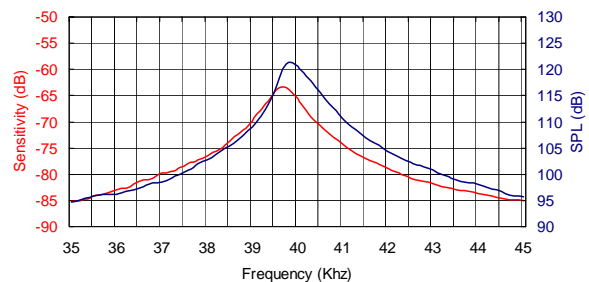
Tested under 1Vrms Oscillation Level

400ER250 Impedance —————
400ER250 Phase
400ET250 Impedance —————
400ET250 Phase



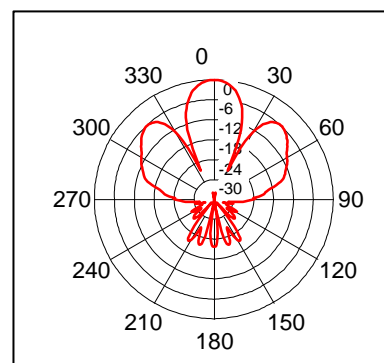
400ET250 Phase

Sensitivity/Sound Pressure Level



Tested under 10Vrms @30cm

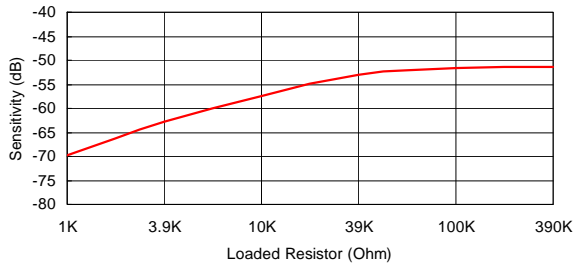
Beam Angle: Tested at 40.0Khz frequency



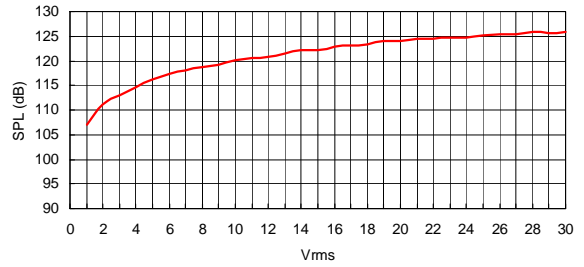
400ER250 Receiver

400ET250 Transmitter

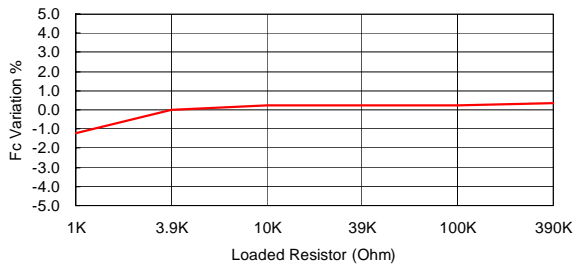
Sensitivity Variation vs. Loaded Resistor



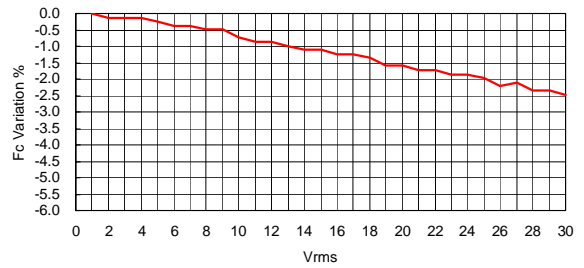
SPL Variation vs. Driving Voltage



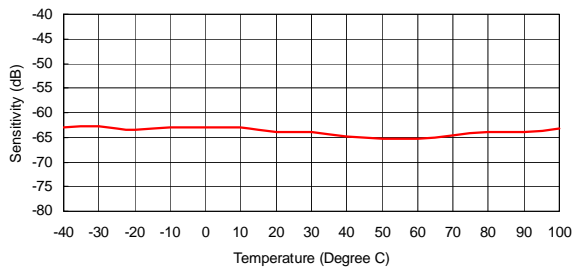
Center Frequency Shift vs. Loaded Resistor



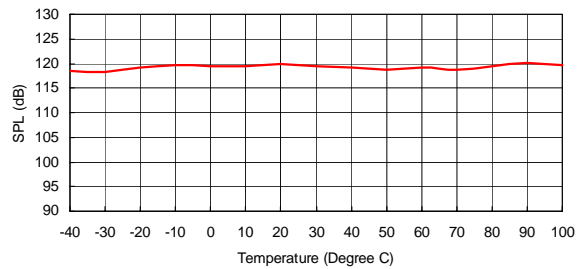
Center Frequency Shift vs. Driving Voltage



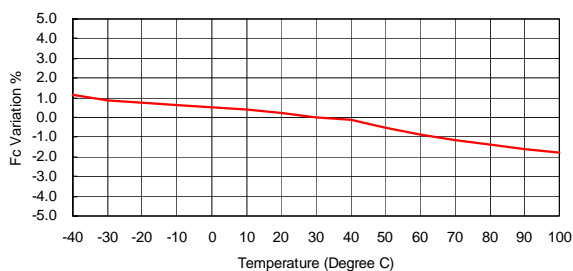
Sensitivity Variation vs. Temperature



SPL Variation vs. Temperature



Center Frequency Shift vs. Temperature



Center Frequency Shift vs. Temperature

