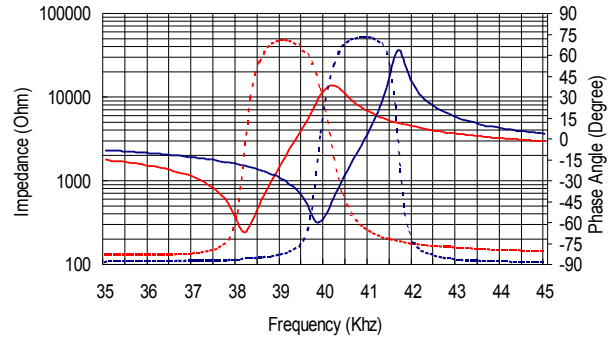


Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level

400ER080 Impedance ——— (Red solid line)
 400ER080 Phase - - - - - (Red dashed line)
 400ET080 Impedance ——— (Blue solid line)
 400ET080 Phase - - - - - (Blue dashed line)



Specification

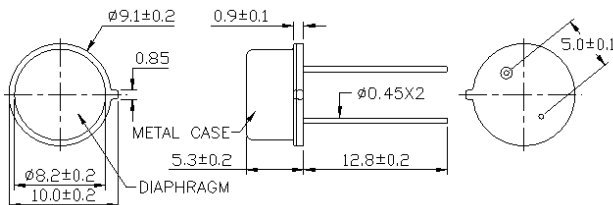
400ET080	Transmitter
400ER080	Receiver
Center Frequency	40.0±3.0KHz
Bandwidth (-6dB)	400ET080 1.5KHz 400ER080 2.0KHz
Transmitting Sound Pressure Level at 40.0KHz; 0dB re 0.0002µbar per 10Vrms at 30cm	100dB min.
Receiving Sensitivity at 40.0KHz 0dB = 1 volt/µbar	-80dB min.
Capacitance at 1KHz ±20%	1700 pF
Max. Driving Voltage (cont.)	15Vrms
Total Beam Angle -6dB	125° typical
Operation Temperature	-30 to 70°C
Storage Temperature	-40 to 80°C

All specification taken typical at 25°C
 Closer frequency tolerance can be supplied upon request.

Model available:

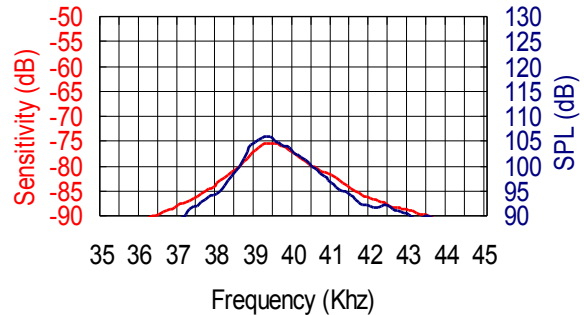
1	400ET/R080	Nickel Plated Steel Housing
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Dimensions: dimensions are in mm



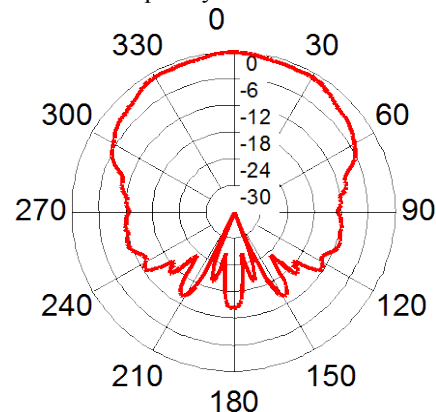
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



Beam Angle

Tested at 40.0KHz frequency

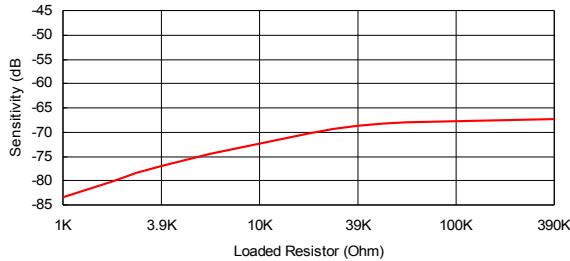


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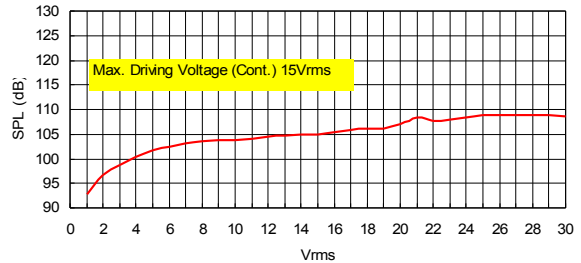
400ER080 Receiver

Sensitivity Variation vs. Loaded Resistor

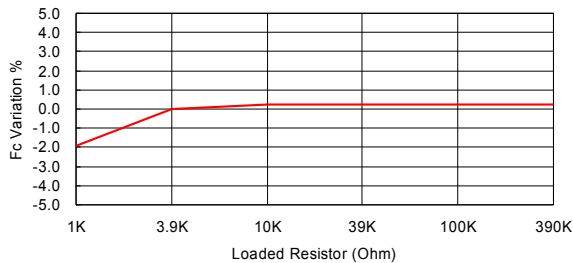


400ET080 Transmitter

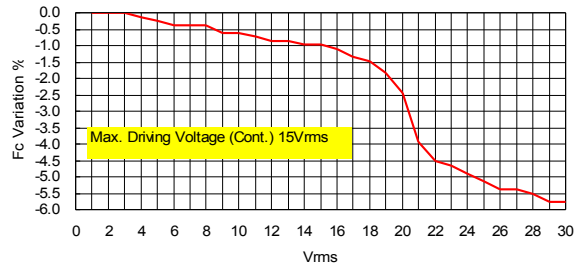
SPL Variation vs. Driving Voltage



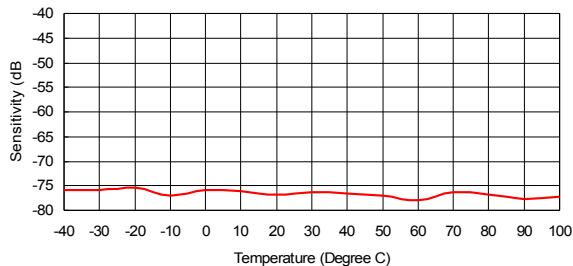
Center Frequency Shift vs. Loaded Resistor



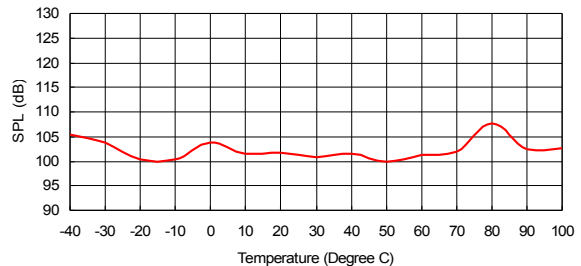
Center Frequency Shift vs. Driving Voltage



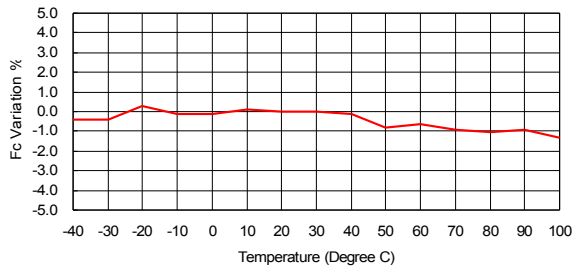
Sensitivity Variation vs. Temperature



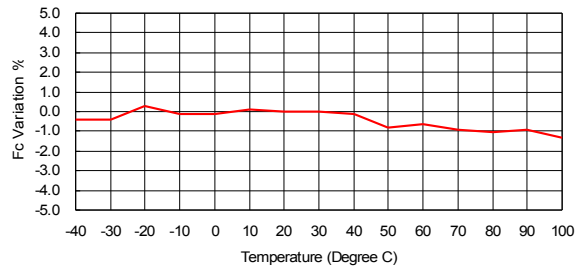
SPL Variation vs. Temperature



Center Frequency Shift vs. Temperature



Center Frequency Shift vs. Temperature



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