



Specification

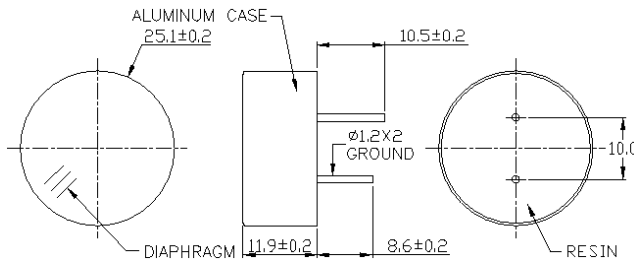
250ET250	Transmitter
250ER250	Receiver
Center Frequency	25.0±1.0KHz
Bandwidth (-6dB)	250ET250 1.0KHz 250ER250 1.0KHz
Transmitting Sound Pressure Level at 25.0KHz; 0dB re 0.0002µbar per 10Vrms at 30cm	113dB min.
Receiving Sensitivity at 25.0KHz 0dB = 1 volt/µbar	-63dB min.
Capacitance at 1KHz	±20% 2400 pF
Max. Driving Voltage (cont.)	15Vrms
Total Beam Angle	-6dB 40° 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	250ET/R250	Aluminum Housing
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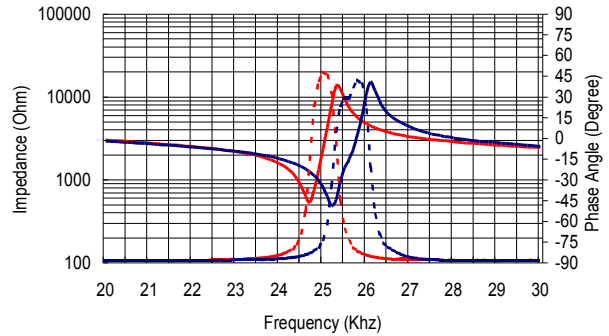
Dimensions: dimensions are in mm



Impedance/Phase Angle vs. Frequency

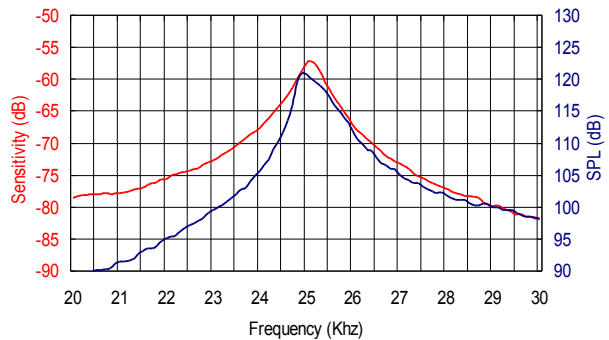
Tested under 1Vrms Oscillation Level

250ER250 Impedance (Red solid line)
 250ER250 Phase (Red dashed line)
 250ET250 Impedance (Blue solid line)
 250ET250 Phase (Blue dashed line)



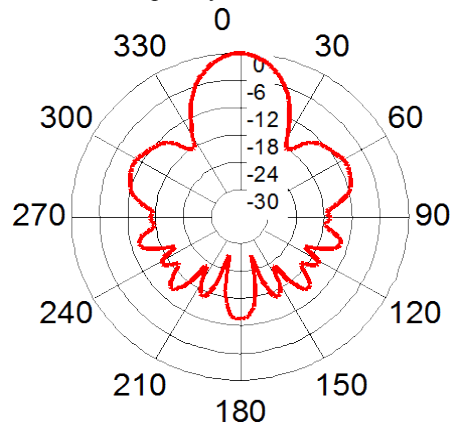
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



Beam Angle

Tested at 25.0KHz frequency

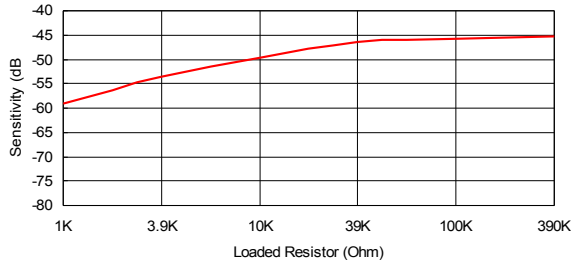


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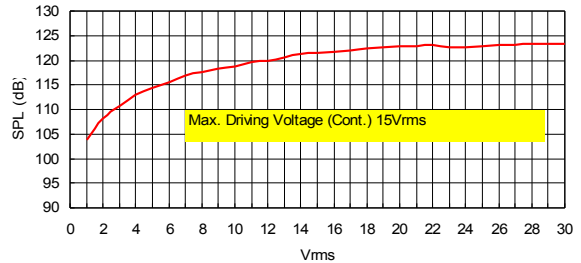
250ER250 Receiver

Sensitivity Variation vs. Loaded Resistor

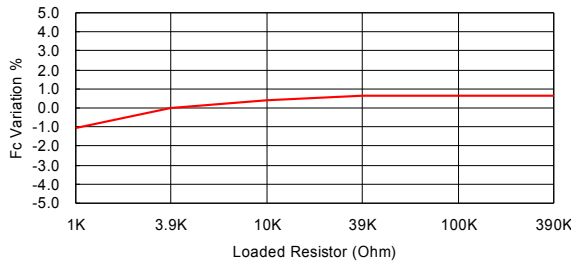


250ET250 Transmitter

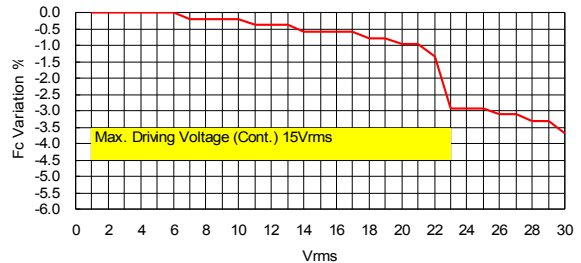
SPL Variation vs. Driving Voltage



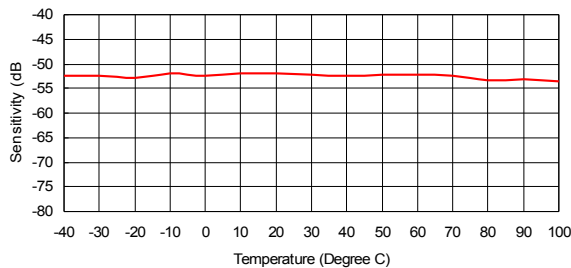
Center Frequency Shift vs. Loaded Resistor



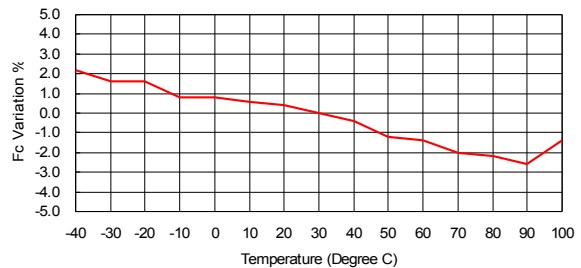
Center Frequency Shift vs. Driving Voltage



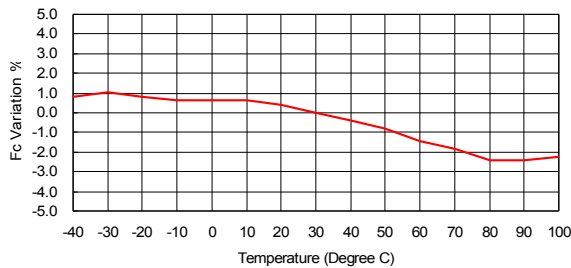
Sensitivity Variation vs. Temperature



SPL Variation vs. Temperature



Center Frequency Shift vs. Temperature



Center Frequency Shift vs. Temperature

