



**Specification**

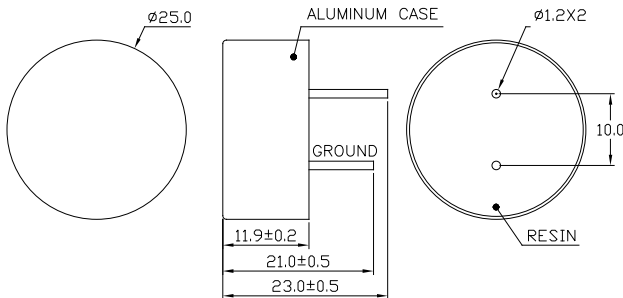
250ET250	Transmitter
250ER250	Receiver
Center Frequency	25.0±1.0KHz
Bandwidth (-6dB)	250ET250 1.0KHz 250ER250 1.0KHz
Transmitting Sound Pressure Level at 25.0KHz; 0dB re 0.0002µbar per 10Vrms at 30cm	113dB min.
Receiving Sensitivity at 25.0KHz 0dB = 1 volt/µbar	-63dB min.
Capacitance at 1KHz ±20%	2800 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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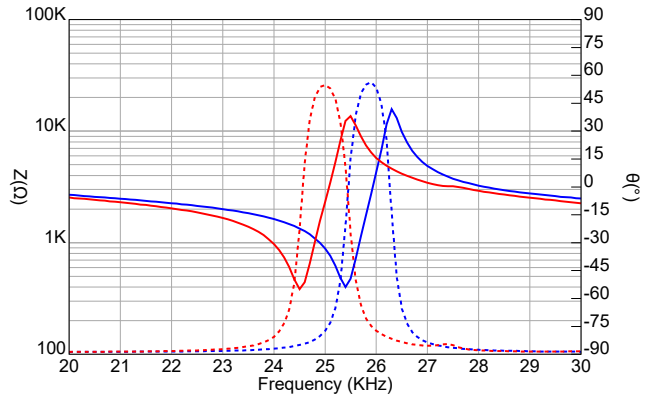
**Dimensions:** dimensions are in mm



**Impedance/Phase Angle vs. Frequency**

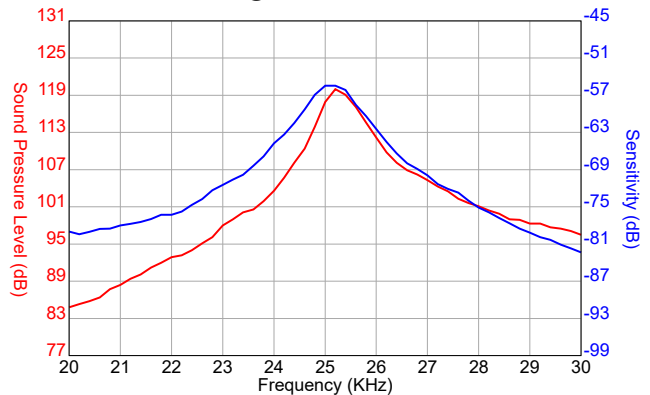
Tested under 1Vrms Oscillation Level

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



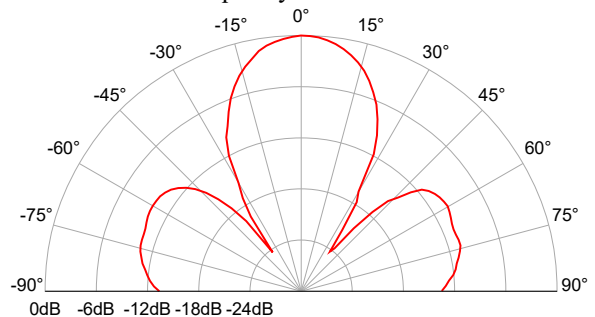
**Sensitivity/Sound Pressure Level**

Tested under 10Vrms @30cm



**Beam Angle**

Tested at 25.0Khz frequency

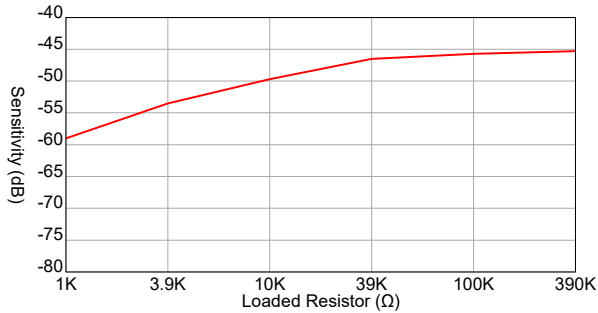


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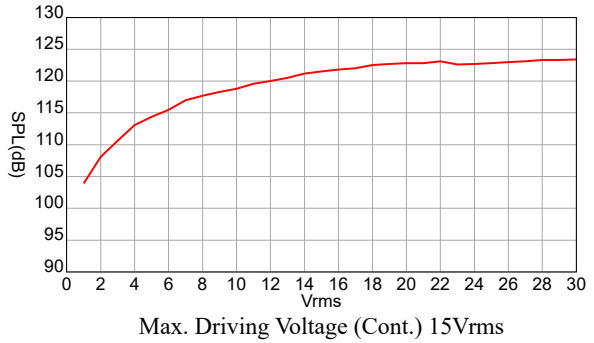
**250ER250 Receiver**

**Sensitivity Variation vs. Loaded Resistor**

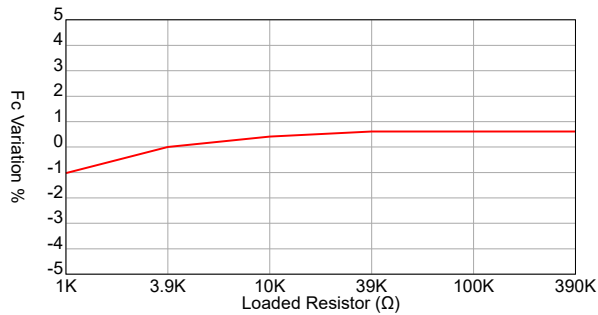


**250ET250 Transmitter**

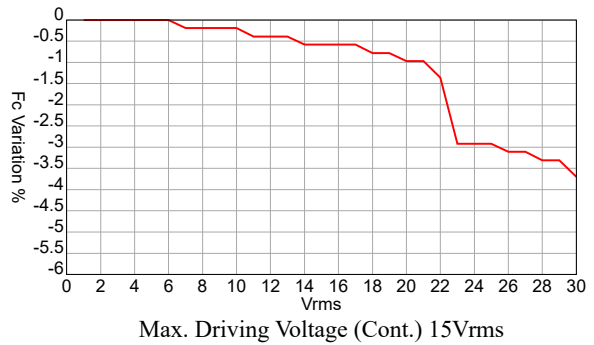
**SPL Variation vs. Driving Voltage**



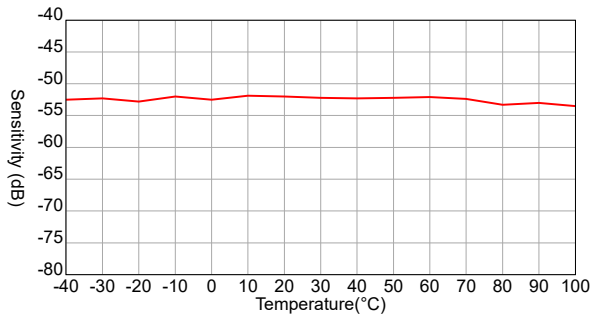
**Center Frequency Shift vs. Loaded Resistor**



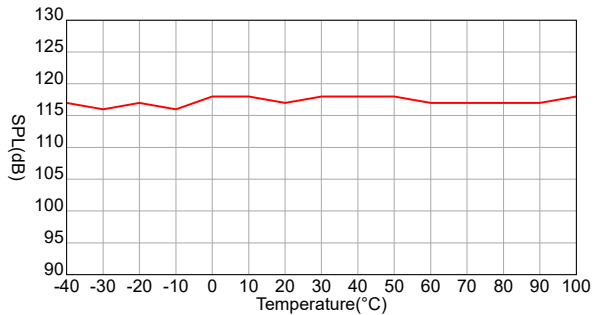
**Center Frequency Shift vs. Driving Voltage**



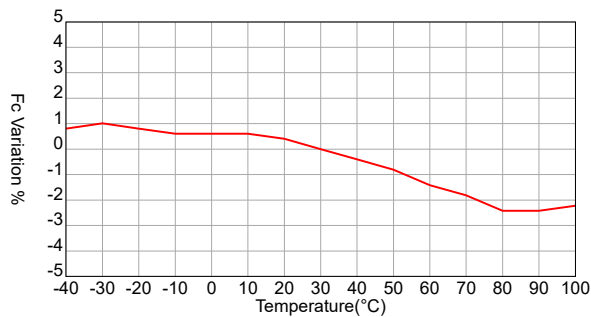
**Sensitivity Variation vs. Temperature**



**SPL Variation vs. Temperature**



**Center Frequency Shift vs. Temperature**



**Center Frequency Shift vs. Temperature**

