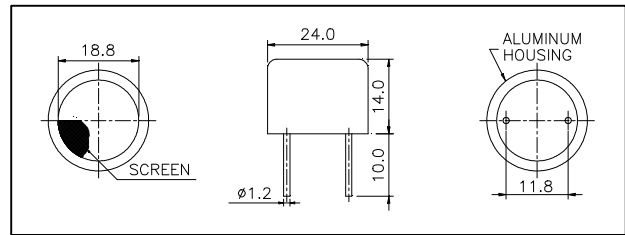




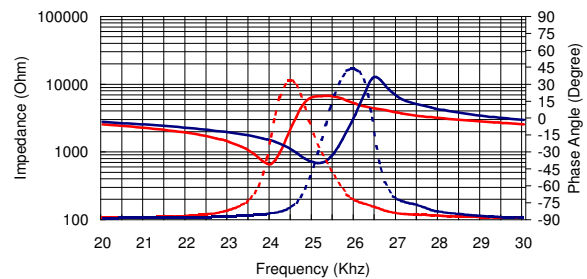
Dimensions: dimensions are in mm



Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level

250SR240 Impedance —————
 250SR240 Phase
 250ST240 Impedance —————
 250ST240 Phase
 (Note: The legend in the image uses red for SR240 and blue for ST240, with solid lines for impedance and dotted lines for phase.)



Specification

250ST240	Transmitter
250SR240	Receiver
Center Frequency	25.0±1.0Khz
Bandwidth (-6dB)	250ST240 1.5Khz 250SR240 1.8Khz
Transmitting Sound Pressure Level	115dB min.
at 25.0Khz; 0dB re 0.0002μbar per 10Vrms at 30cm	
Receiving Sensitivity	-60dB min.
at 25.0Khz 0dB = 1 volt/μbar	
Capacitance at 1Khz	±20% 2400 pF
Max. Driving Voltage (cont.)	20Vrms
Total Beam Angle	-6dB 45° typical
Operation Temperature	-30 to 80°C
Storage Temperature	-40 to 85°C

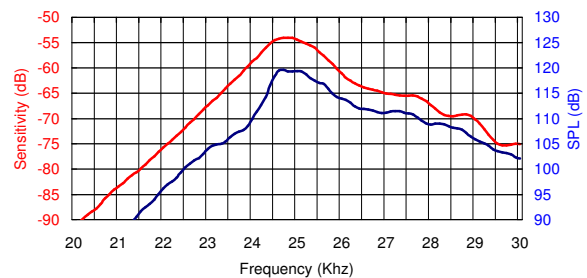
All specification taken typical at 25°C
 Closer frequency tolerance can be supplied upon request.

Model available:

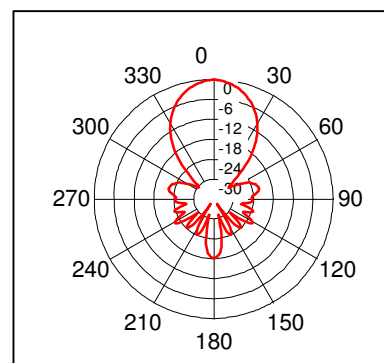
1	250ST/R240	Aluminum Housing
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Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



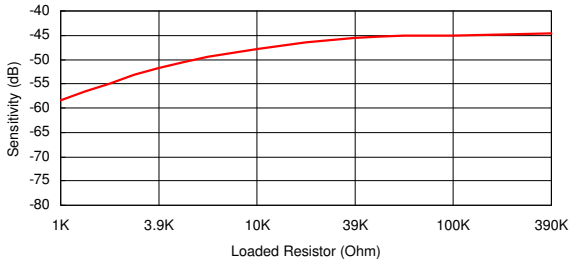
Beam Angle: Tested at 25.0Khz frequency



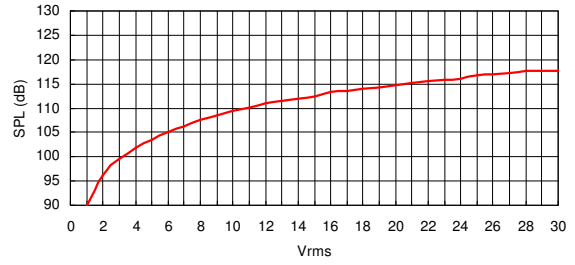
250SR240 Receiver

250ST240 Transmitter

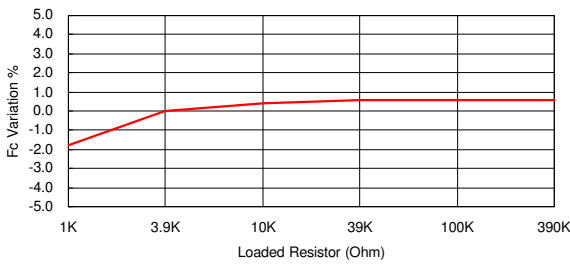
Sensitivity Variation vs. Loaded Resistor



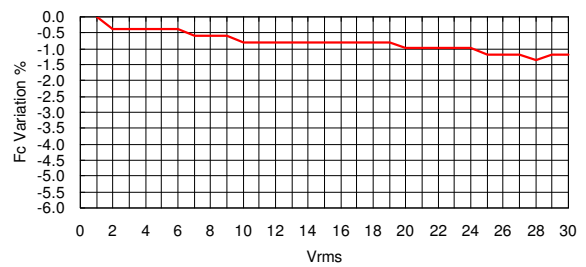
SPL Variation vs. Driving Voltage



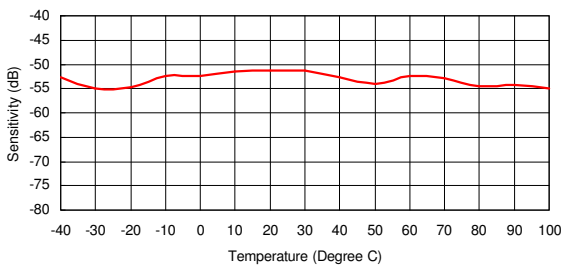
Center Frequency Shift vs. Loaded Resistor



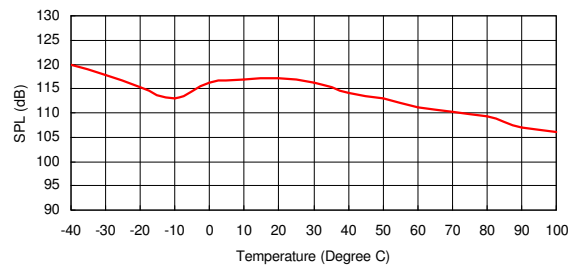
Center Frequency Shift vs. Driving Voltage



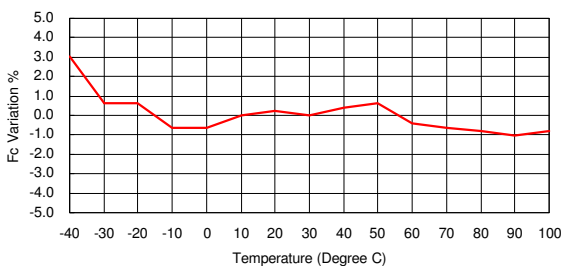
Sensitivity Variation vs. Temperature



SPL Variation vs. Temperature



Center Frequency Shift vs. Temperature



Center Frequency Shift vs. Temperature

