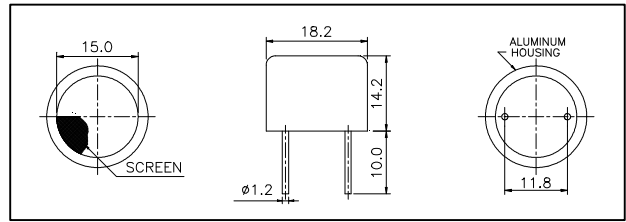




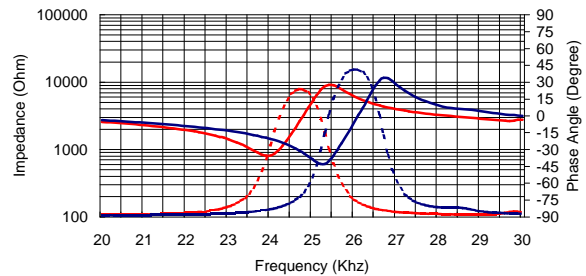
**Dimensions:** dimensions are in mm



**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level

250SR180 Impedance —————  
 250SR180 Phase .....  
 250ST180 Impedance —————  
 250ST180 Phase .....



**Specification**

<b>250ST180</b>	Transmitter
<b>250SR180</b>	Receiver
<b>Center Frequency</b>	25.0±1.0Khz
<b>Bandwidth (-6dB)</b>	250ST180 1.5Khz 250SR180 1.8Khz
<b>Transmitting Sound Pressure Level</b> at 25.0Khz; 0dB re 0.0002μbar per 10Vrms at 30cm	112dB min.
<b>Receiving Sensitivity</b> at 25.0Khz 0dB = 1 volt/μbar	-62dB min.
<b>Capacitance at 1Khz</b> ±20%	2400 pF
<b>Max. Driving Voltage (cont.)</b>	20Vrms
<b>Total Beam Angle</b> -6dB	95° typical
<b>Operation Temperature</b>	-30 to 80°C
<b>Storage Temperature</b>	-40 to 85°C

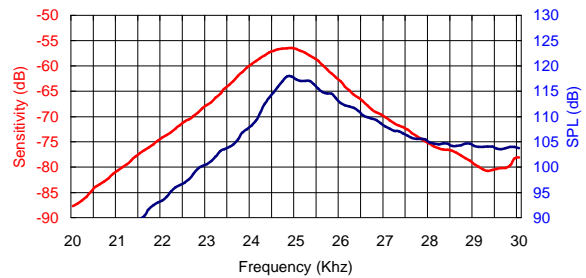
All specification taken typical at 25°C  
 Closer frequency tolerance can be supplied upon request.

Model available:

1	250ST/R180	Aluminum Housing
2	250ST/R18B	Black Al. Housing

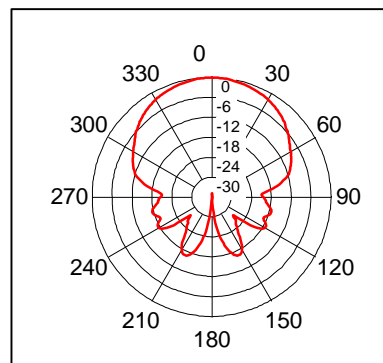
**Sensitivity/Sound Pressure Level**

Tested under 10Vrms @30cm



**Beam Angle**

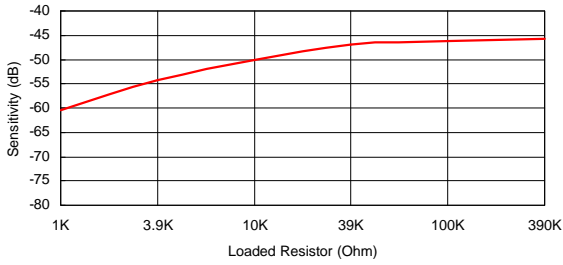
Tested at 25.0Khz frequency



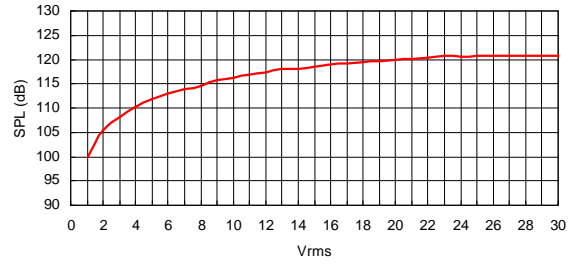
**250SR180 Receiver**

**250ST180 Transmitter**

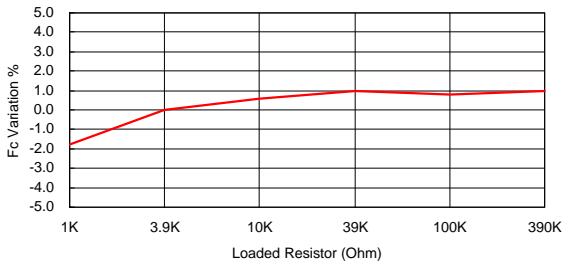
**Sensitivity Variation vs. Loaded Resistor**



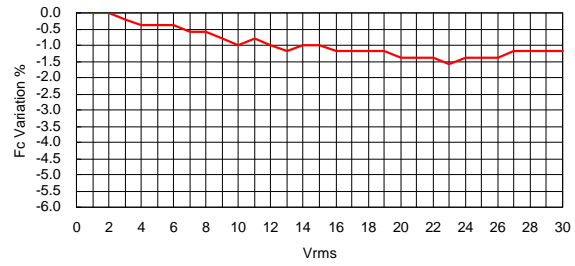
**SPL Variation vs. Driving Voltage**



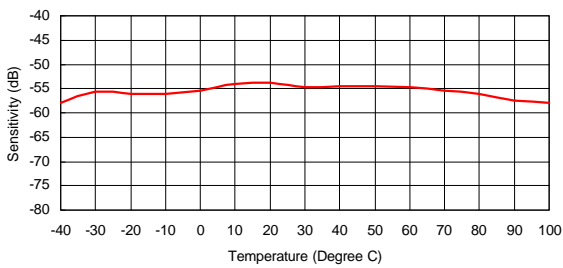
**Center Frequency Shift vs. Loaded Resistor**



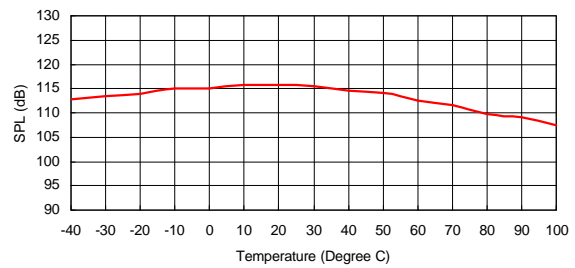
**Center Frequency Shift vs. Driving Voltage**



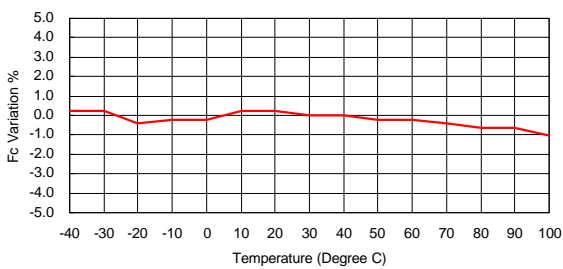
**Sensitivity Variation vs. Temperature**



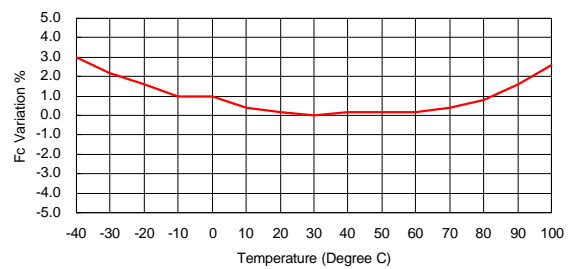
**SPL Variation vs. Temperature**



**Center Frequency Shift vs. Temperature**



**Center Frequency Shift vs. Temperature**



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