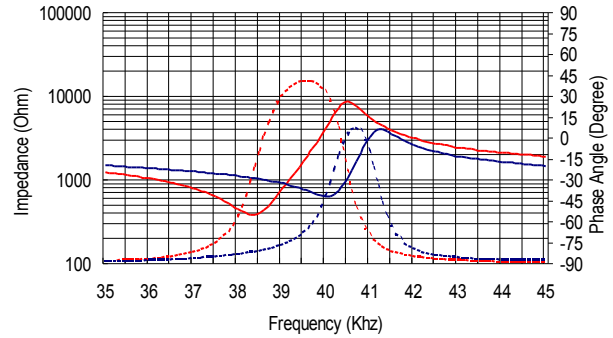




**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level

400SR160 Impedance ——— (Red solid line)  
 400SR160 Phase - - - - - (Red dashed line)  
 400ST160 Impedance ——— (Blue solid line)  
 400ST160 Phase - - - - - (Blue dashed line)



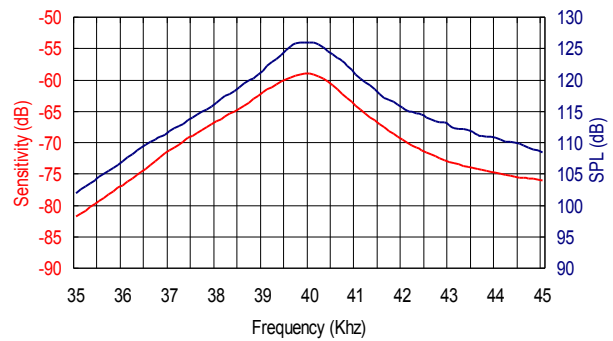
**Specification**

400ST160	Transmitter
400SR160	Receiver
Center Frequency	40.0±1.0KHz
Bandwidth (-6dB)	400ST160 2.0KHz 400SR160 2.5KHz
Transmitting Sound Pressure Level at 40.0KHz; 0dB re 0.0002µbar per 10Vrms at 30cm	120dB min.
Receiving Sensitivity at 40.0KHz 0dB = 1 volt/µbar	-61dB min.
Capacitance at 1KHz ±20%	2400 pF
Max. Driving Voltage (cont.)	20Vrms
Total Beam Angle -6dB	55° 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.

**Sensitivity/Sound Pressure Level**

Tested under 10Vrms @30cm

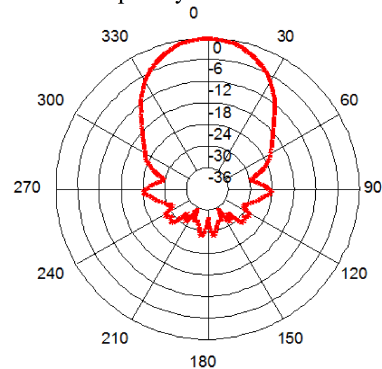


Models available:

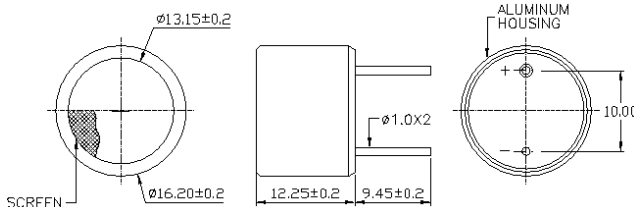
1	400ST/R160	Aluminum Housing
2	400ST/R16B	Black Al. Housing
3	400ST/R16P	Plastic Housing

**Beam Angle**

Tested at 40.0KHz frequency



**Dimensions:** dimensions are in mm

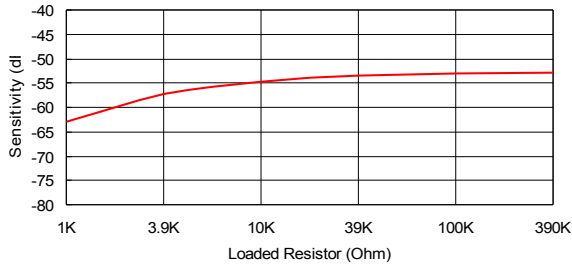


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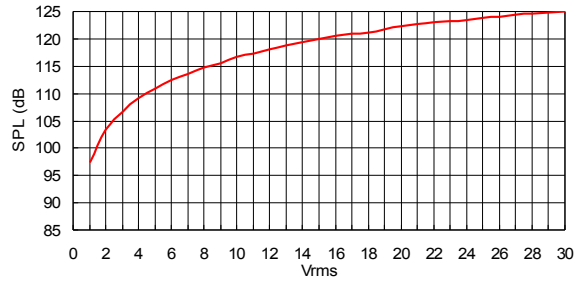
**400SR160 Receiver**

**Sensitivity Variation vs. Loaded Resistor**

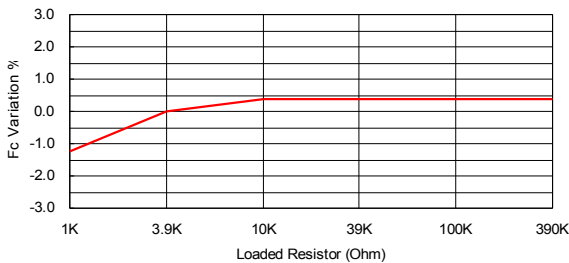


**400ST160 Transmitter**

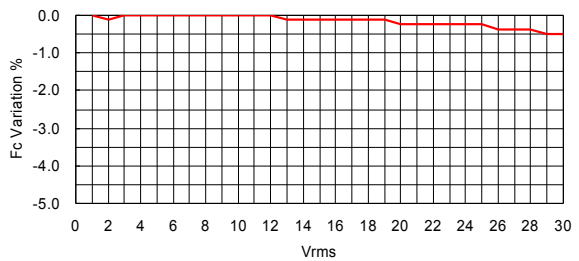
**SPL Variation vs. Driving Voltage**



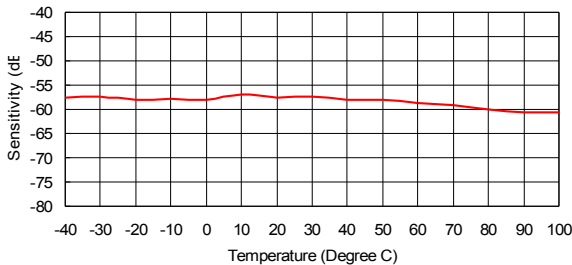
**Center Frequency Shift vs. Loaded Resistor**



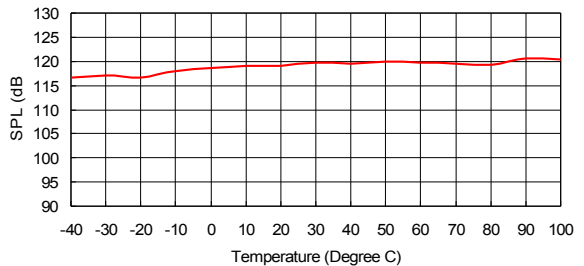
**Center Frequency Shift vs. Driving Voltage**



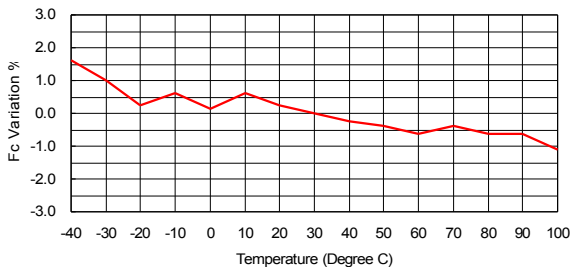
**Sensitivity Variation vs. Temperature**



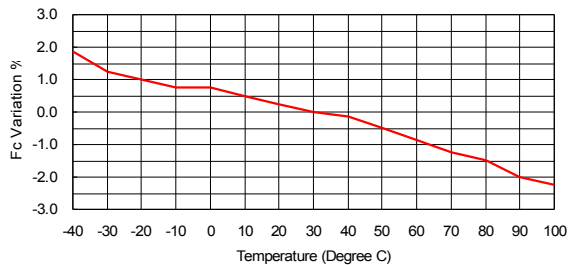
**SPL Variation vs. Temperature**



**Center Frequency Shift vs. Temperature**



**Center Frequency Shift vs. Temperature**



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