



Specification

400ST100	Transmitter
400SR100	Receiver
Center Frequency	40.0±1.0KHz
Bandwidth (-6dB)	400ST10P 2.5KHz
	400SR10P 3.0KHz
Transmitting Sound Pressure Level at 40.0KHz; 0dB re 0.0002μbar per 10Vrms at 30cm	112dB min.
Receiving Sensitivity at 40.0KHz 0dB = 1 volt/μbar	-67dB min.
Capacitance at 1KHz ±20%	1900 pF
Max. Driving Voltage (cont.)	10Vrms
Total Beam Angle -6dB	72° typical
Operation Temperature	-30 to 70°C
Storage Temperature	-40 to 80°C

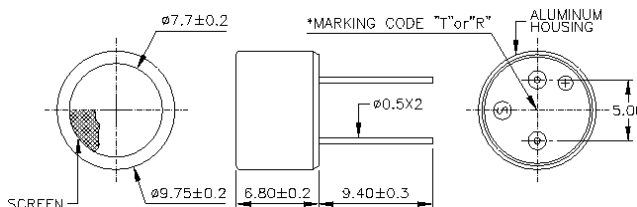
All specification taken typical at 25°C
Closer frequency tolerance can be supplied upon request.

Model available:

1	400ST/R100	Aluminum Housing
2	400ST/R10P	Plastic Housing

Dimensions:

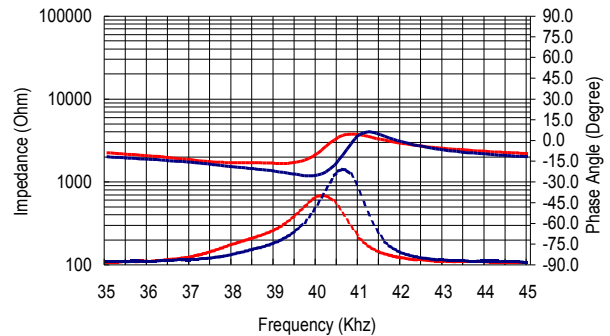
Dimensions are in mm



Impedance/Phase Angle vs. Frequency

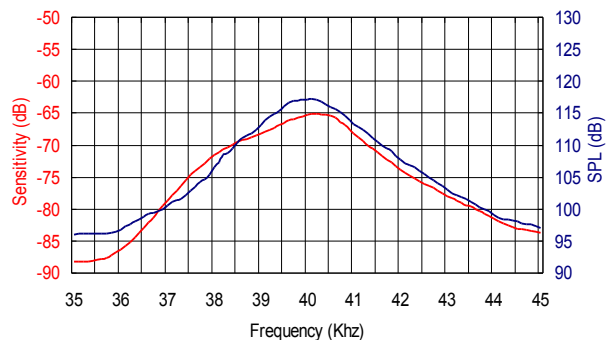
Tested under 1Vrms Oscillation Level

400SR100 Impedance
400SR100 Phase
400ST100 Impedance
400ST100 Phase



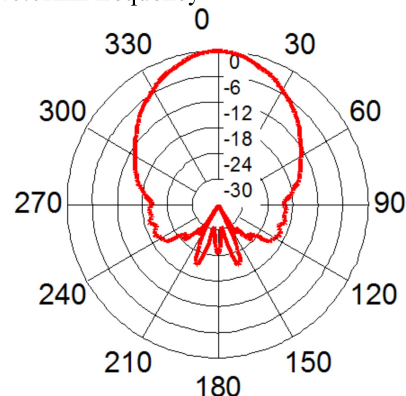
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



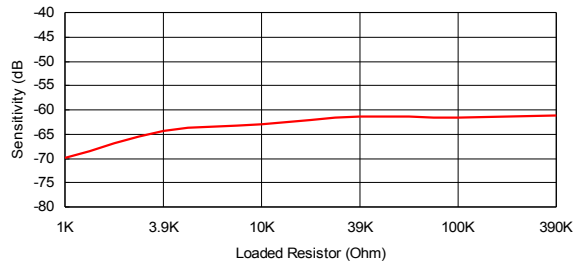
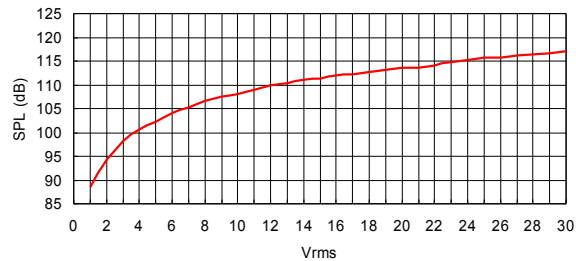
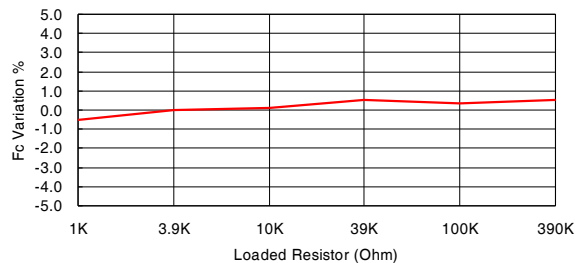
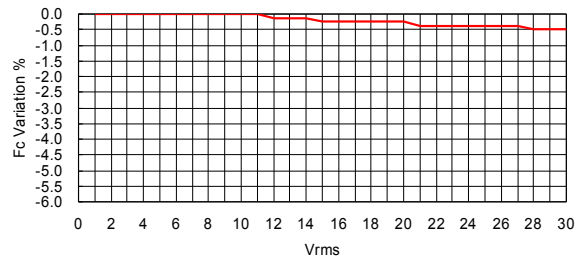
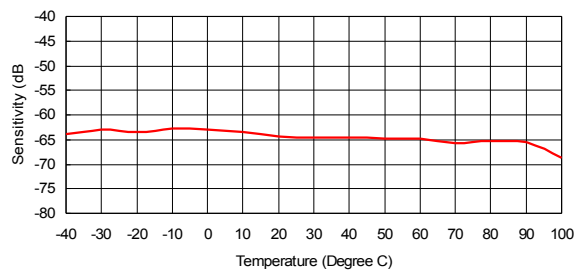
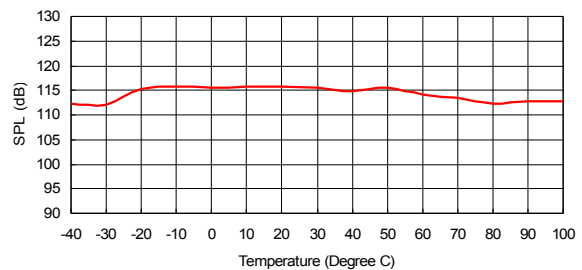
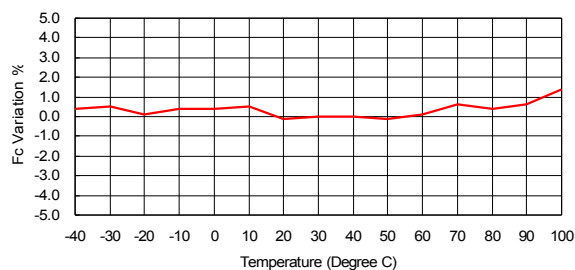
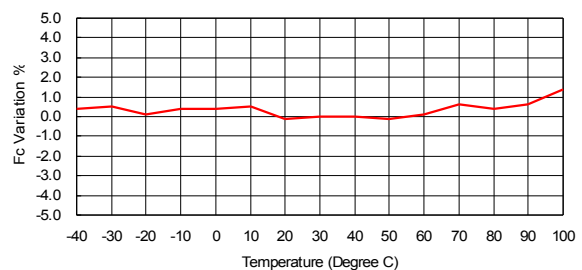
Beam Angle

Tested at 40.0KHz frequency



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400SR100 Receiver**Sensitivity Variation vs. Loaded Resistor****400ST100 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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