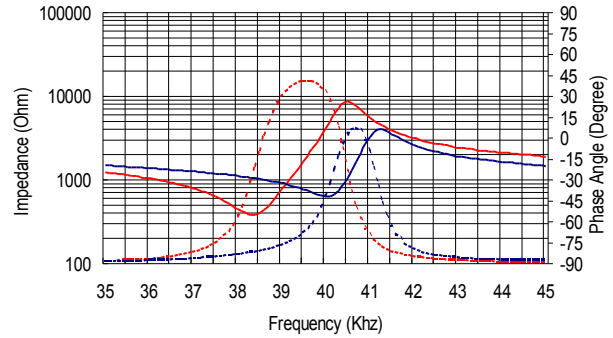




Impedance/Phase Angle vs. Frequency

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

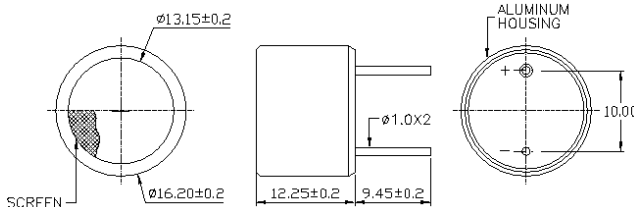
400ST160		Transmitter
400SR160		Receiver
Center Frequency		40.0±1.0KHz
Bandwidth (-6dB)	400ST160	2.0KHz
	400SR160	2.5KHz
Transmitting Sound Pressure Level		120dB min.
at 40.0KHz; 0dB re 0.0002µbar per 10Vrms at 30cm		
Receiving Sensitivity		-61dB min.
at 40.0KHz 0dB = 1 volt/µbar		
Capacitance at 1KHz		±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.

Models available:

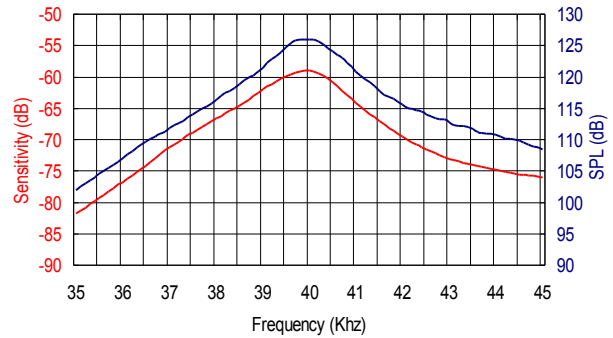
1	400ST/R160	Aluminum Housing
2	400ST/R16B	Black Al. Housing
3	400ST/R16P	Plastic Housing

Dimensions: dimensions are in mm



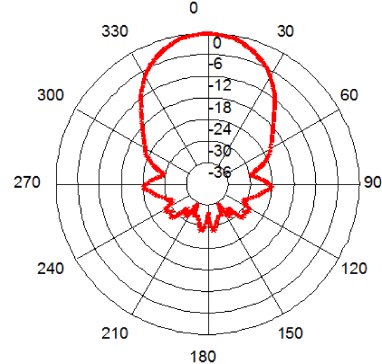
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



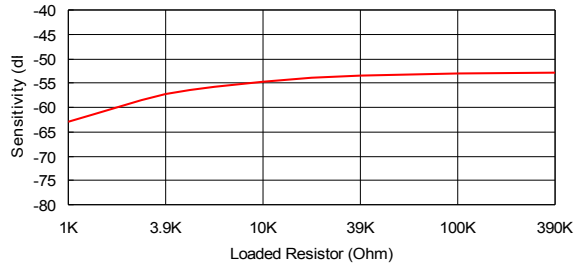
Beam Angle

Tested at 40.0KHz frequency



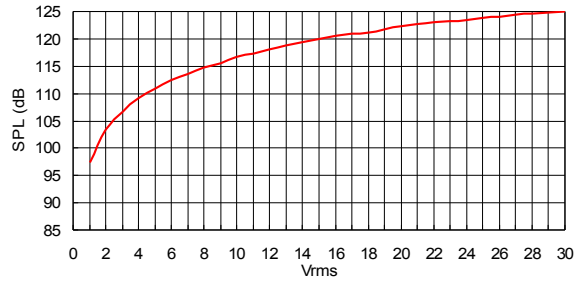
400SR160 Receiver

Sensitivity Variation vs. Loaded Resistor

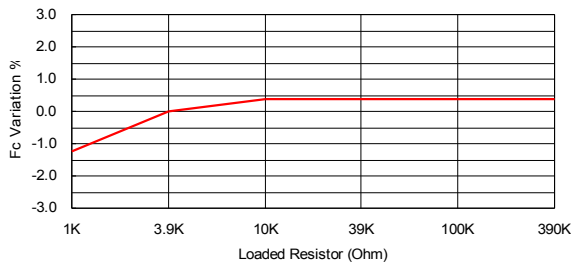


400ST160 Transmitter

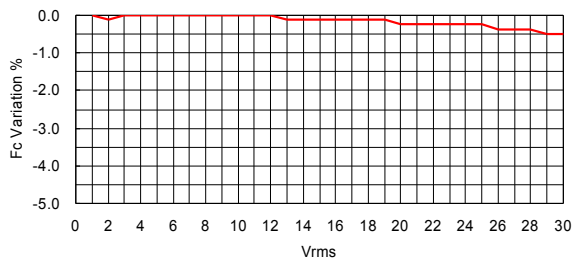
SPL Variation vs. Driving Voltage



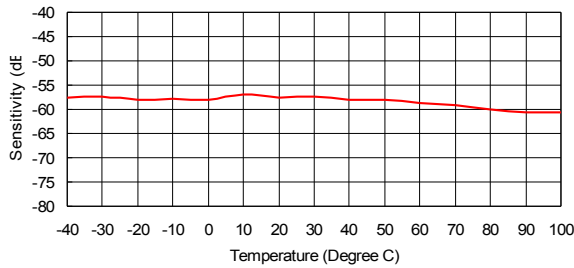
Center Frequency Shift vs. Loaded Resistor



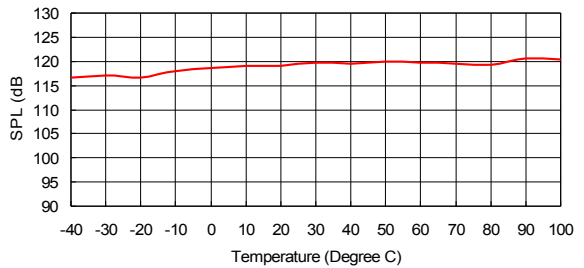
Center Frequency Shift vs. Driving Voltage



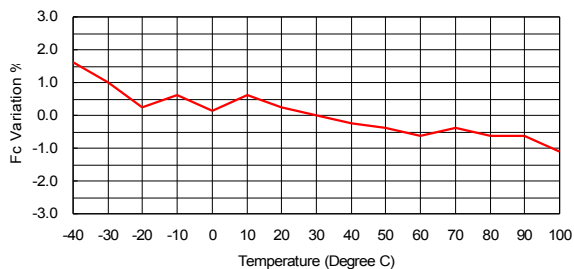
Sensitivity Variation vs. Temperature



SPL Variation vs. Temperature



Center Frequency Shift vs. Temperature



Center Frequency Shift vs. Temperature

