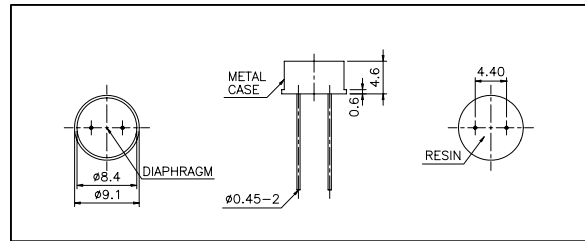




**Dimensions:** dimensions are in mm



**Specification**

<b>400ET080</b>	Transmitter
<b>400ER080</b>	Receiver
<b>Center Frequency</b>	40.0±3.0Khz
<b>Bandwidth (-6dB)</b>	400ET080 1.5Khz 400ER080 2.0Khz
<b>Transmitting Sound Pressure Level</b>	100dB min.
at 40.0Khz; 0dB re 0.0002μbar per 10Vrms at 30cm	
<b>Receiving Sensitivity</b>	-80dB min.
at 40.0Khz 0dB = 1 volt/μbar	
<b>Capacitance at 1Khz</b>	±20% 1700 pF
<b>Max. Driving Voltage (cont.)</b>	15Vrms
<b>Total Beam Angle</b>	-6dB 125° 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.

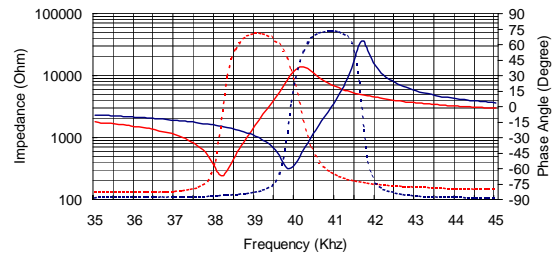
Model available:

1	400ET/R080	Plated Metal Housing
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**Impedance/Phase Angle vs. Frequency**

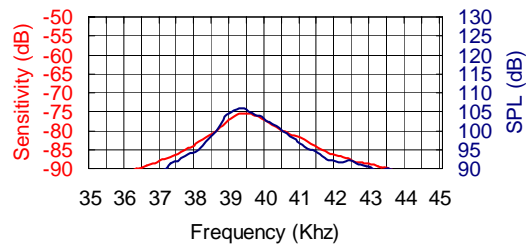
Tested under 1Vrms Oscillation Level

400ER080 Impedance ————  
400ER080 Phase .....  
400ET080 Impedance ————  
400ET080 Phase .....

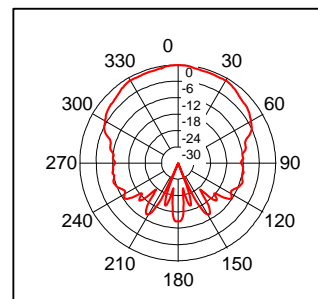


**Sensitivity/Sound Pressure Level**

Tested under 10Vrms @30cm



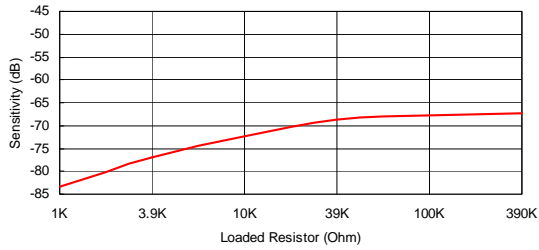
**Beam Angle:** Tested at 40.0Khz frequency



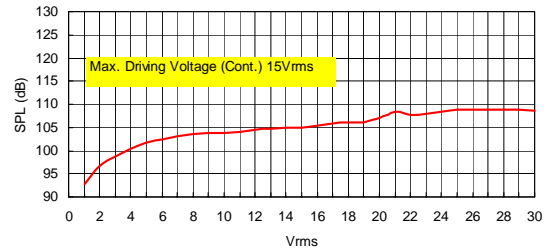
**400ER080 Receiver**

**400ET080 Transmitter**

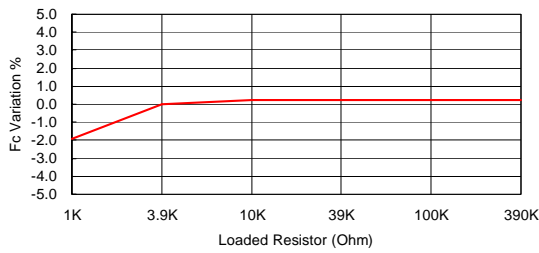
**Sensitivity Variation vs. Loaded Resistor**



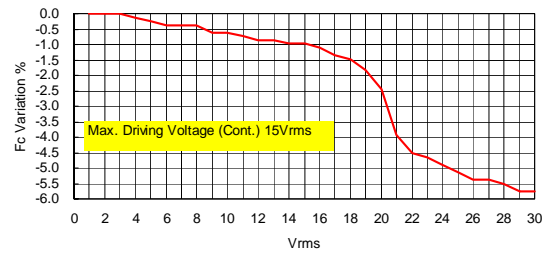
**SPL Variation vs. Driving Voltage**



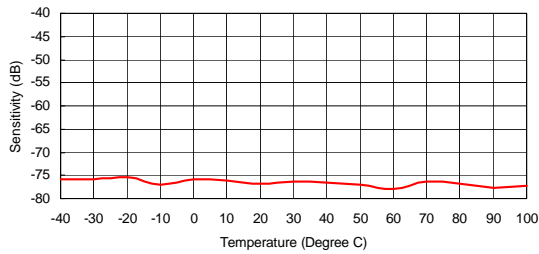
**Center Frequency Shift vs. Loaded Resistor**



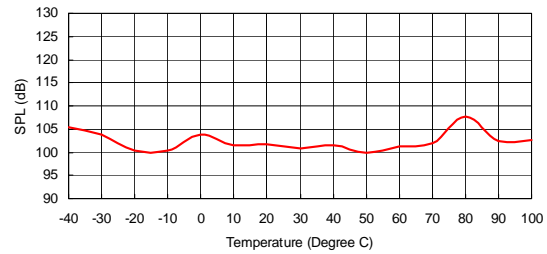
**Center Frequency Shift vs. Driving Voltage**



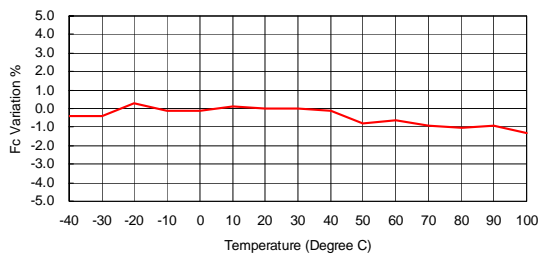
**Sensitivity Variation vs. Temperature**



**SPL Variation vs. Temperature**



**Center Frequency Shift vs. Temperature**



**Center Frequency Shift vs. Temperature**

