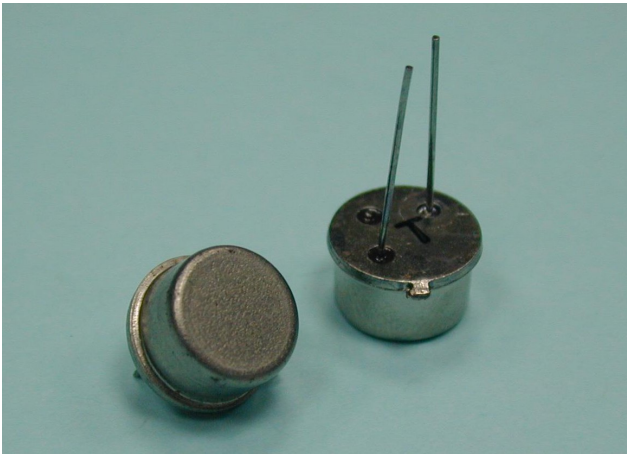




Specification

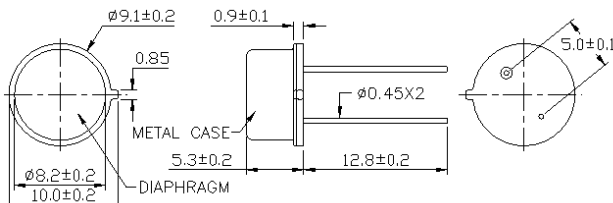
400ET080	Transmitter
400ER080	Receiver
Center Frequency	40.0±3.0KHz
Bandwidth (-6dB)	400ET080 1.5KHz 400ER080 2.0KHz
Transmitting Sound Pressure Level at 40.0KHz; 0dB re 0.0002μbar per 10Vrms at 30cm	100dB min.
Receiving Sensitivity at 40.0KHz 0dB = 1 volt/μbar	-80dB min.
Capacitance at 1KHz ±20%	1700 pF
Max. Driving Voltage (cont.)	15Vrms
Total Beam Angle -6dB	125° 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	400ET/R080	Nickel Plated Steel Housing
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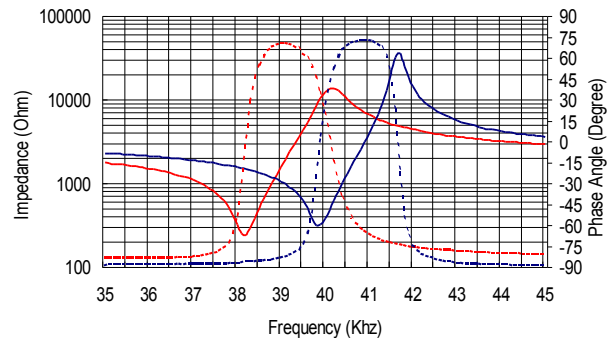
Dimensions: dimensions are in mm



Impedance/Phase Angle vs. Frequency

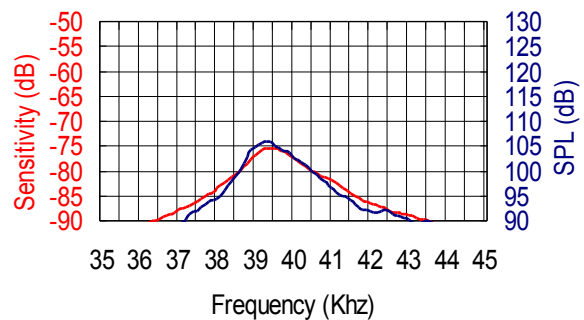
Tested under 1Vrms Oscillation Level

400ER080 Impedance
400ER080 Phase
400ET080 Impedance
400ET080 Phase



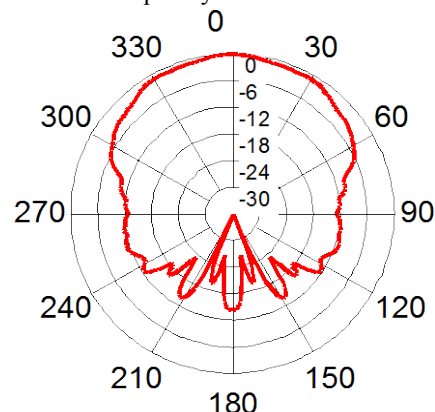
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



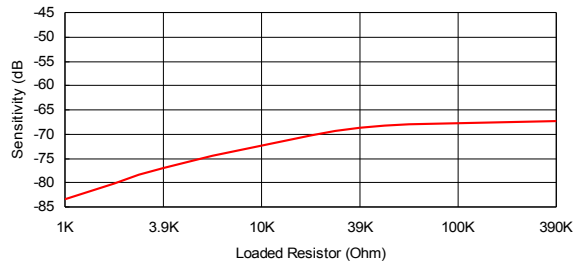
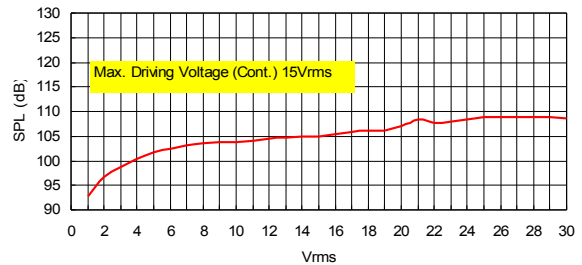
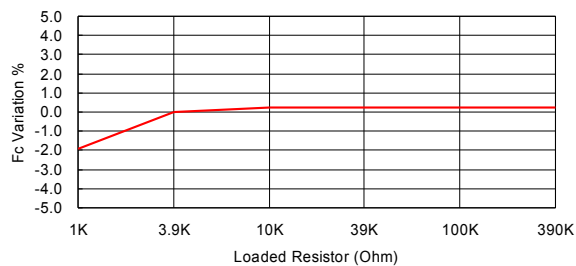
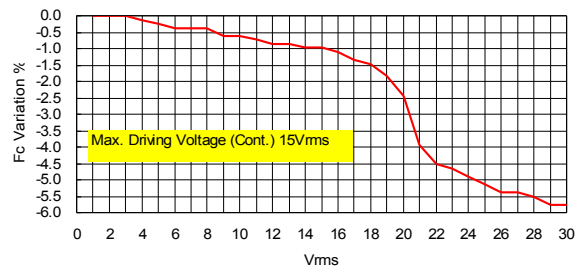
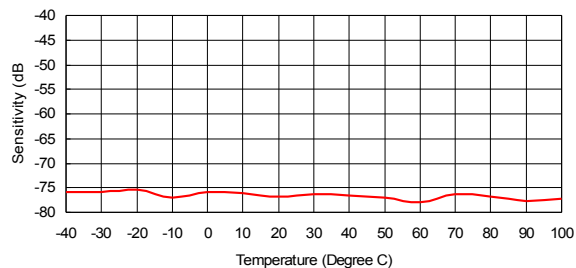
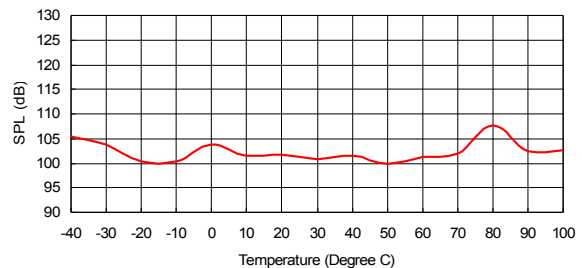
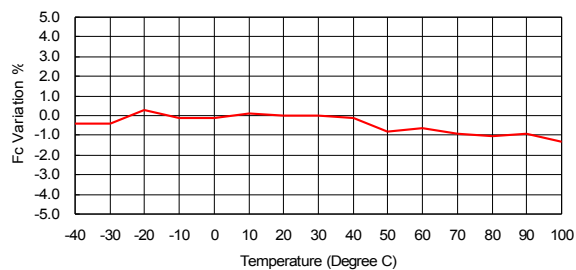
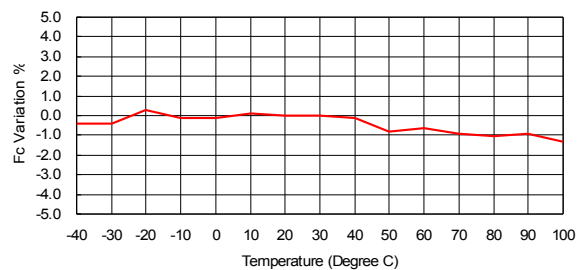
Beam Angle

Tested at 40.0KHz frequency



S. Square Enterprise Company Limited
Pro-Wave Electronics Corporation

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400ER080 Receiver**Sensitivity Variation vs. Loaded Resistor****400ET080 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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