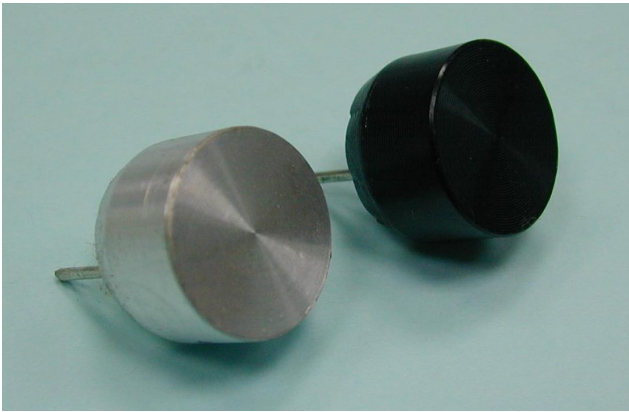




Specification

400ET180	Transmitter
400ER180	Receiver
Center Frequency	40.0±1.0KHz
Bandwidth (-6dB)	400ET180 1.5KHz
	400ER180 1.5KHz
Transmitting Sound Pressure Level at 40.0KHz; 0dB re 0.0002μbar per 10Vrms at 30cm	115dB min.
Receiving Sensitivity at 40.0KHz 0dB = 1 volt/μbar	-70dB min.
Capacitance at 1KHz ±20%	2400 pF
Max. Driving Voltage (cont.)	15Vrms
Total Beam Angle -6dB	30° typical
Operation Temperature	-30 to 70°C
Storage Temperature	-40 to 80°C

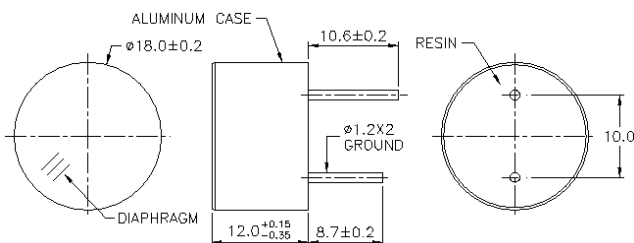
All specification taken typical at 25°C

Closer frequency tolerance can be supplied upon request.

Model available:

1	400ET/R180	Aluminum Housing
2	400ET/R18B	Black Alum. Housing

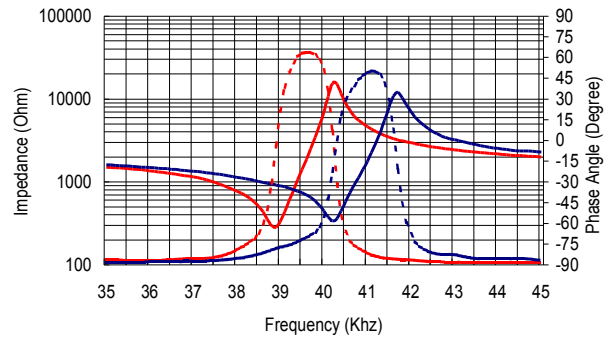
Dimensions: dimensions are in mm



Impedance/Phase Angle vs. Frequency

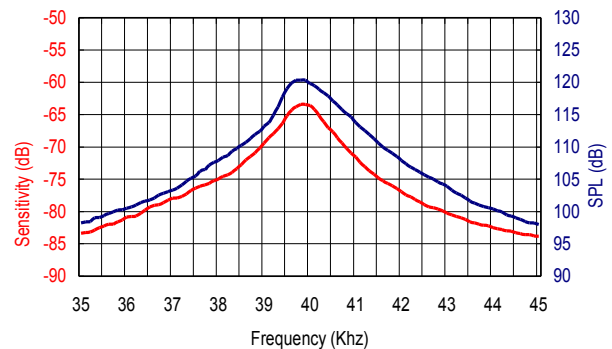
Tested under 1Vrms Oscillation Level

400ER180 Impedance
400ER180 Phase
400ET180 Impedance
400ET180 Phase



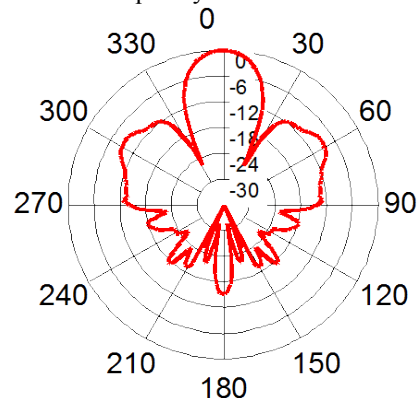
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



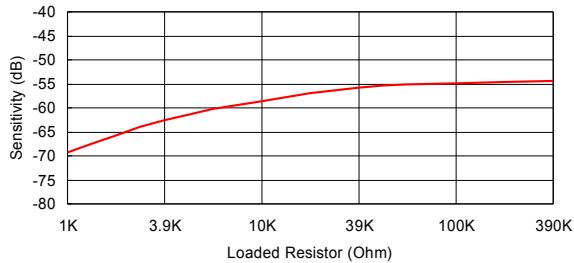
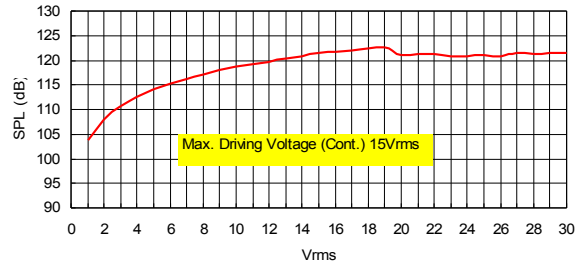
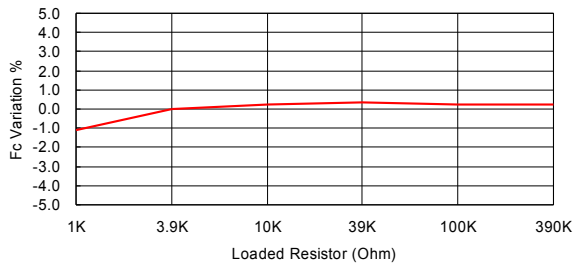
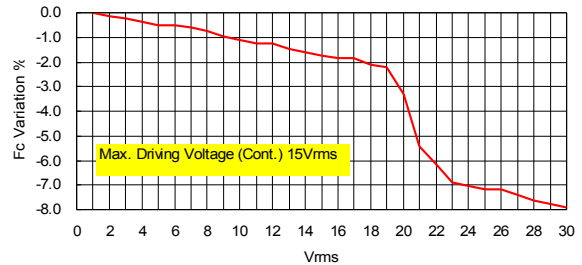
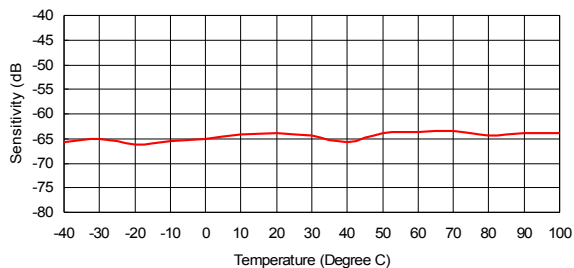
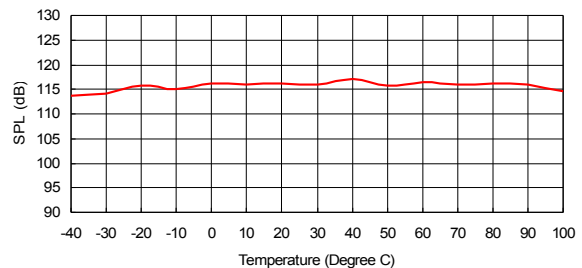
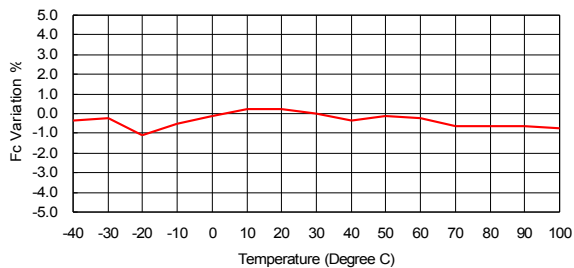
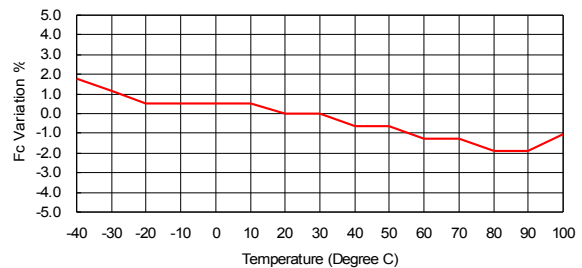
Beam Angle

Tested at 40.0KHz frequency



S. Square Enterprise Company Limited
Pro-Wave Electronics Corporation

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400ER180 Receiver**Sensitivity Variation vs. Loaded Resistor****400ET180 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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