



Specification

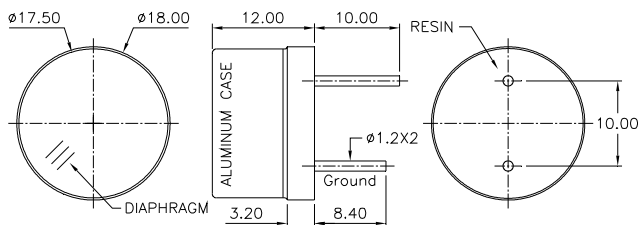
400ET18S	Transmitter
400ER18S	Receiver
Center Frequency	40.0±1.0KHz
Bandwidth (-6dB)	400ET18S 1.5KHz
	400ER18S 1.5KHz
Transmitting Sound Pressure Level	110dB min.
at 40.0KHz; 0dB re 0.0002μbar per 10Vrms at 30cm	
Receiving Sensitivity	-70dB min.
at 40.0KHz 0dB = 1 volt/μbar	
Capacitance at 1KHz	±20% 2900 pF
Max. Driving Voltage (cont.)	15Vrms
Total Beam Angle (-6dB Main Beam)	35° 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:

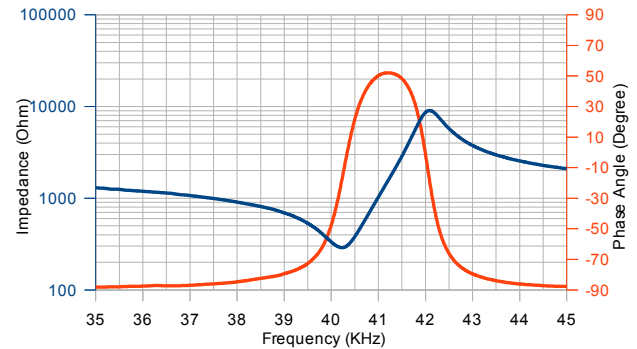
1	400ET/R18S	Aluminum Housing
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Dimensions: dimensions are in mm

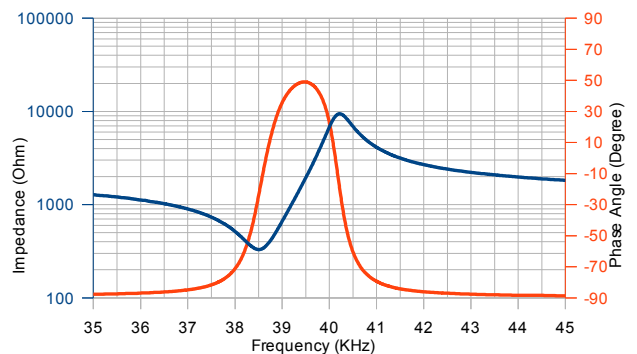


Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level
400ET18S

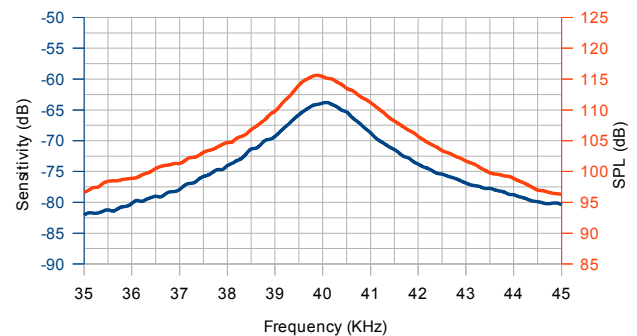


400ER18S



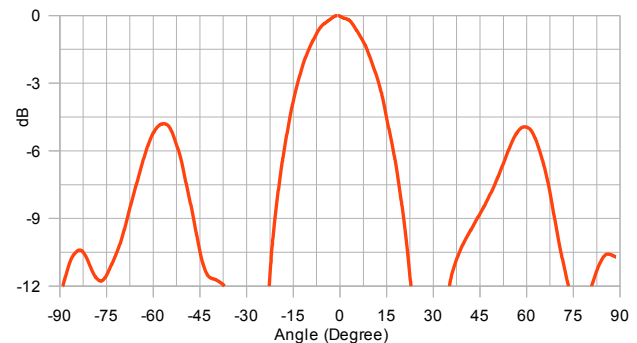
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



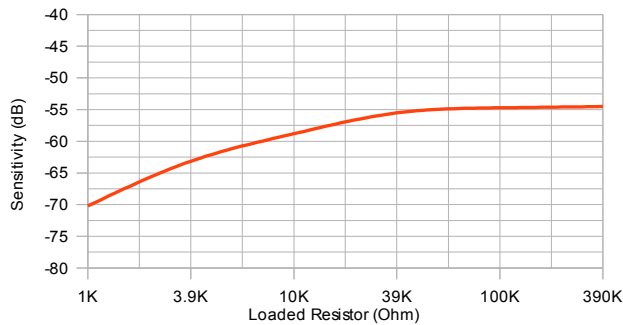
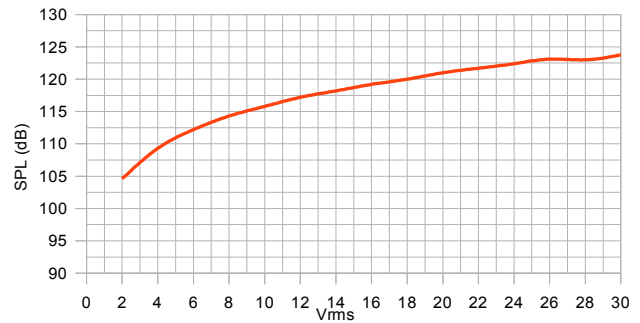
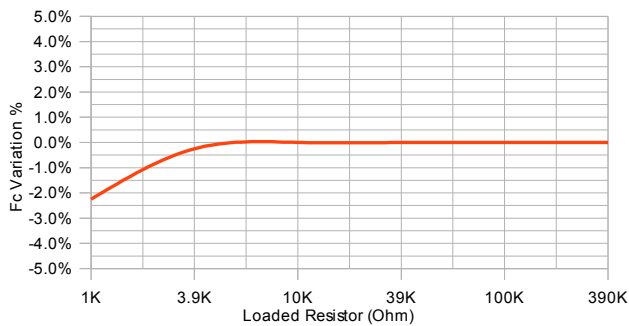
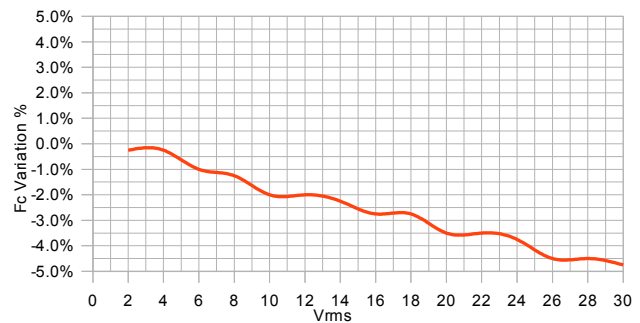
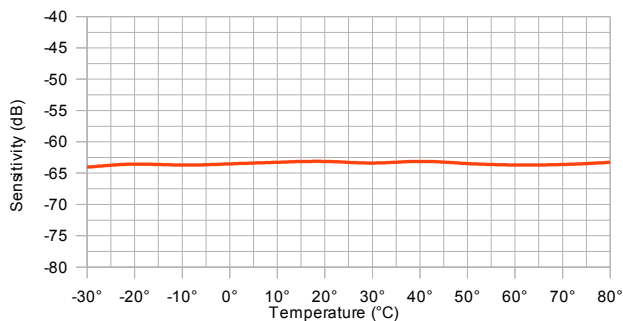
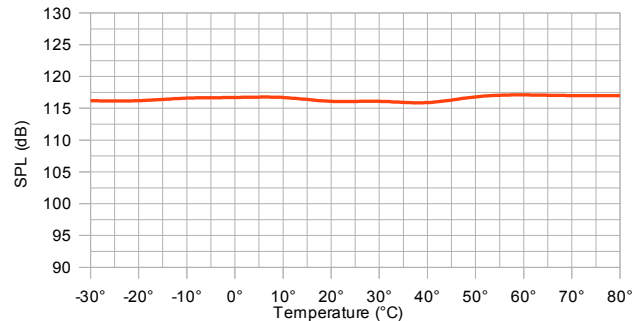
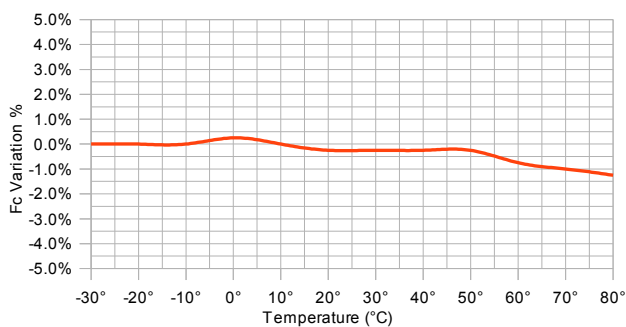
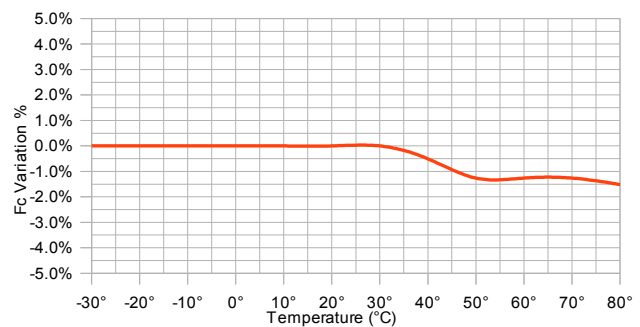
Beam Angle

Tested at 40.0KHz frequency



S. Square Enterprise Company Limited
Pro-Wave Electronics Corporation

[Http://www.pro-wave.com.tw](http://www.pro-wave.com.tw) ; E-mail: sales@pro-wave.com.tw ; Tel: 886-2-22465101 ; Fax: 886-2-22465105

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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[Http://www.pro-wave.com.tw](http://www.pro-wave.com.tw) ; E-mail: sales@pro-wave.com.tw ; Tel: 886-2-22465101 ; Fax: 886-2-22465105