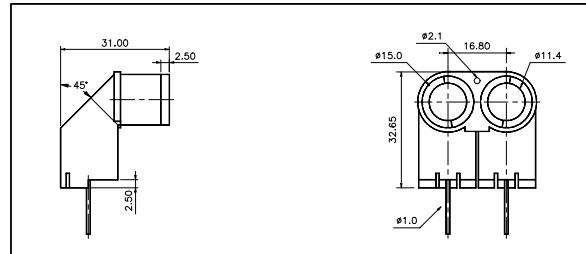


**Dimensions:** dimensions are in mm



**Specification**

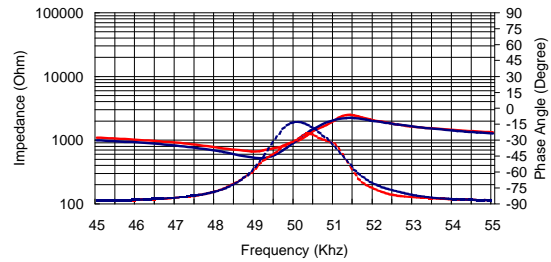
<b>500MB120</b>	Dual Transducer
<b>Center Frequency</b>	50.0±1.0Khz
<b>Bandwidth (-6dB)</b>	3Khz
<b>Transmitting Sound Pressure Level</b> at 50.0Khz; 0dB re 0.0002μbar per 10Vrms at 30cm	113dB min.
<b>Receiving Sensitivity</b> at 50.0Khz 0dB = 1 volt/μbar	-67dB min.
<b>Sensitivity/Cross Talk Ratio</b>	15 dB
<b>Nominal Impedance (Trans.)</b>	1000 Ohm
<b>Capacitance at 1Khz ±20%</b>	2400 pF
<b>Max. Driving Voltage (cont.)</b>	20Vrms
<b>Total Beam Angle</b>	-6dB 30°
<b>Operation Temperature</b>	-20 to 70°C
<b>Storage Temperature</b>	-40 to 80°C

All specification taken typical at 25°C  
Closer frequency tolerance can be supplied upon request.

**Impedance/Phase Angle vs. Frequency**

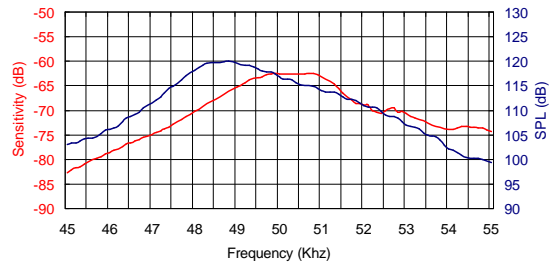
Tested under 1Vrms Oscillation Level

Transmitter Impedance ————  
 Transmitter Phase .....  
 Receiver Impedance ————  
 Receiver Phase .....



**Sensitivity/Sound Pressure Level**

Tested under 10Vrms @30cm



**Beam Angle:** Tested at 50.0Khz frequency

