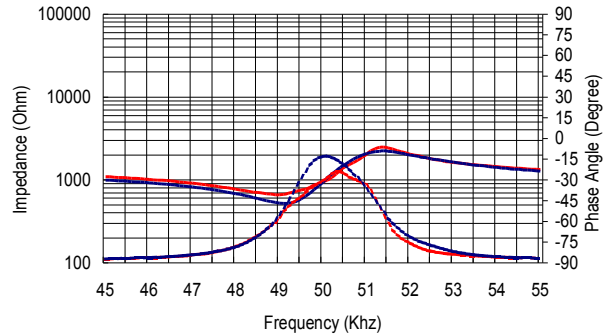




**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level

Receiver Impedance ————— (Red solid line)  
 Receiver Phase - - - - - (Red dashed line)  
 Transmitter Impedance ————— (Blue solid line)  
 Transmitter Phase - - - - - (Blue dashed line)



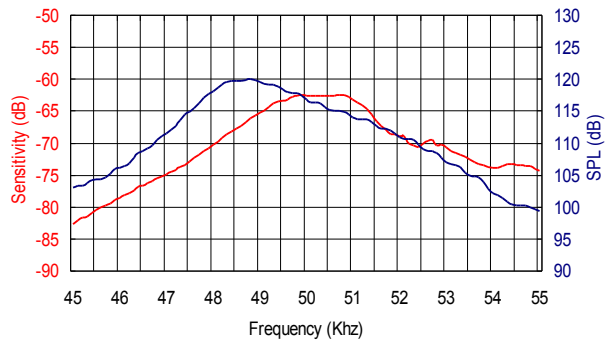
**Specification**

<b>500MB120</b>	<b>Dual Transducer</b>
<b>Center Frequency</b>	<b>50.0±1.0KHz</b>
<b>Bandwidth (-6dB)</b>	<b>3KHz</b>
<b>Transmitting Sound Pressure Level</b> at 50.0KHz; 0dB re 0.0002µbar per 10Vrms at 30cm	<b>113dB min.</b>
<b>Receiving Sensitivity</b> at 50.0KHz 0dB = 1 volt/µbar	<b>-67dB min.</b>
<b>Sensitivity/Cross Talk Ratio</b>	<b>15 dB</b>
<b>Nominal Impedance (Trans.)</b>	<b>800 Ohm</b>
<b>Capacitance at 1KHz ±20%</b>	<b>2400 pF</b>
<b>Max. Driving Voltage (cont.)</b>	<b>20Vrms</b>
<b>Total Beam Angle -6dB</b>	<b>30° typical</b>
<b>Operation Temperature</b>	<b>-30 to 70°C</b>
<b>Storage Temperature</b>	<b>-40 to 80°C</b>

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

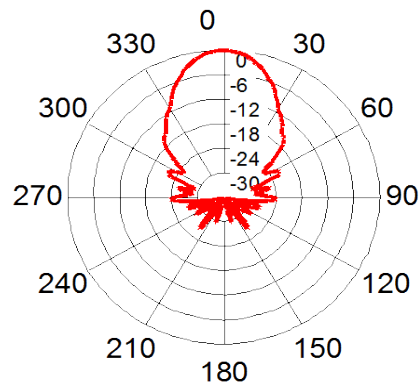
**Sensitivity/Sound Pressure Level**

Tested under 10Vrms @30cm

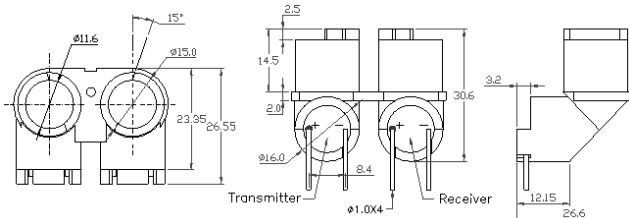


**Beam Angle**

Tested at 50.0KHz frequency



**Dimensions:** dimensions are in mm



**S. Square Enterprise Company Limited**  
**Pro-Wave Electronics Corporation**

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