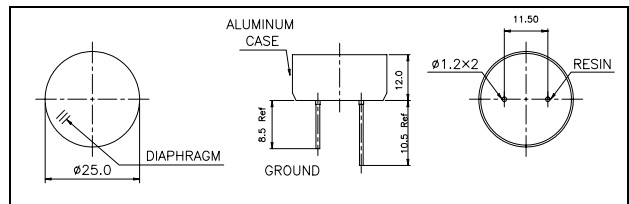


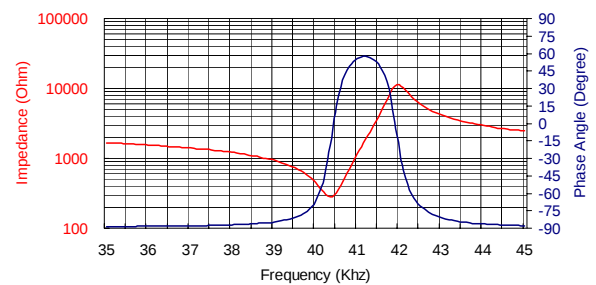


**Dimensions:** dimensions are in mm



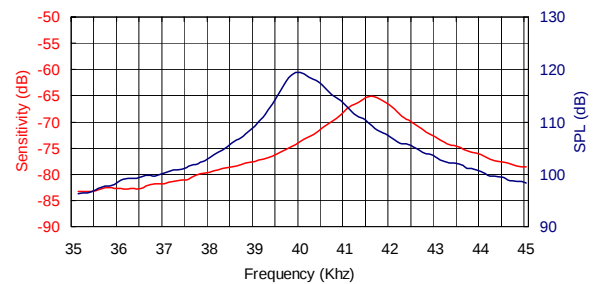
### Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level

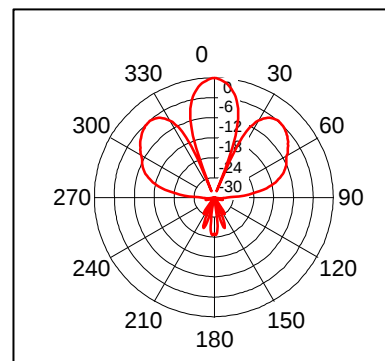


### Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



**Beam Angle:** Tested at 40.0KHz frequency



### Specification

|                                                             |             |
|-------------------------------------------------------------|-------------|
| <b>400EP250</b>                                             | Transceiver |
| <b>Center Frequency</b>                                     | 40.0±1.0KHz |
| <b>Bandwidth (-6dB)</b> 400EP250                            | 2.0KHz(FOM) |
| <b>Transmitting Sound Pressure Level</b>                    | 113dB min.  |
| at resonant frequency; 0dB re 0.0002μbar per 10Vrms at 30cm |             |
| <b>Receiving Sensitivity</b>                                | -72dB min.  |
| at resonant frequency 0dB = 1 volt/μbar                     |             |
| <b>Nominal Impedance (Ohm)</b>                              | 300         |
| <b>Ring (ms)</b>                                            | 1.2 max.    |
| <b>Capacitance at 1KHz</b> ±20%                             | 2400 pF     |
| Temperature Compensated Type                                | 4800 pF     |
| <b>Max. Driving Voltage (cont.)</b>                         | 20Vrms      |
| <b>Total Beam Angle</b> -6dB                                | 30° typical |
| <b>Operation Temperature</b>                                | -30 to 80°C |
| <b>Storage Temperature</b>                                  | -40 to 85°C |

All specification taken typical at 25°C  
Closer frequency tolerance, shorter ringing, wider bandwidth and temperature compensated models can be supplied upon request.

Model available:

|   |          |                   |
|---|----------|-------------------|
| 1 | 400EP250 | Aluminum Housing  |
| 2 | 400EP25B | Black Al. Housing |