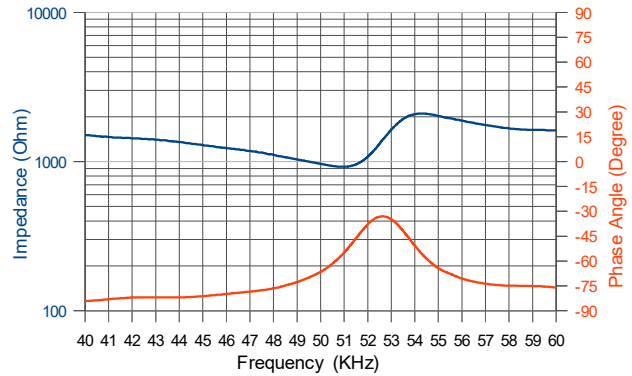


Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



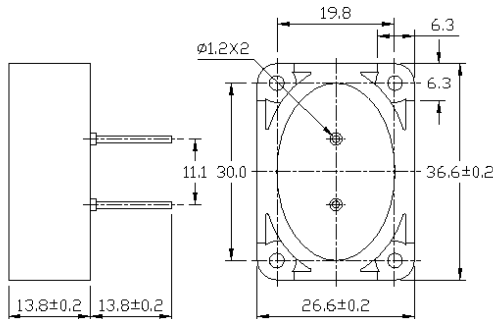
Asymmetric Beam Patterns

Specification

480EP900	Transceiver
Center Frequency	52.0±3.0KHz
Bandwidth (97dB) Transmitter	15.0KHz
(-80dB) Receiver	15.0KHz
Transmitting Sound Pressure Level at 48KHz; 0dB re 0.0002µbar per 10Vrms at 30cm	100dB min.
Receiving Sensitivity at 48KHz; 0dB = 1 volt/µbar	-80dB min.
Nominal Impedance (Ohm)	1000
Ringing (ms)	1.2 max.
Capacitance at 1KHz ±20%	2400 pF
Max. Driving Voltage @20 bursts, 25 ms repetition rate	100 Vp-p
Total Beam Angle -6dB @ 48KHz	Long Axis 19° typ. Short Axis 38° typ.
Operation Temperature	-30 to 70°C
Storage Temperature	-40 to 80°C

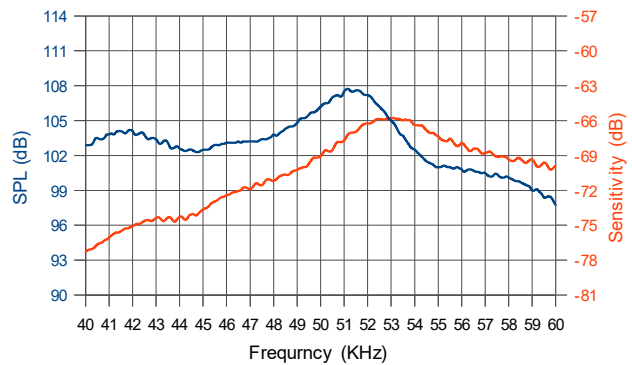
All specification taken typical at 25°C
Closer frequency tolerance, shorter ringing and wider bandwidth models can be supplied upon request.

Dimensions: dimensions are in mm



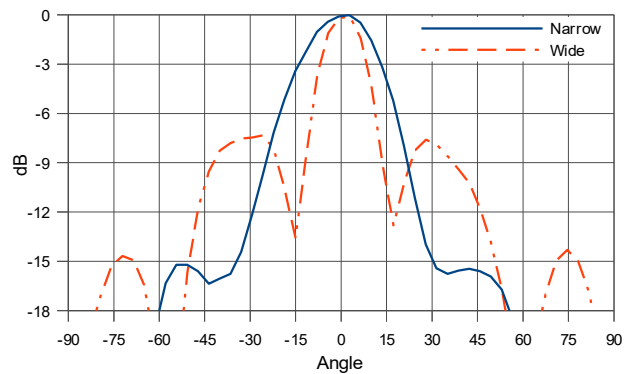
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



Beam Angle

Tested at 48.0KHz



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