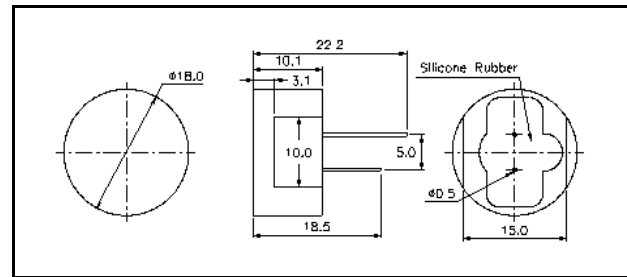


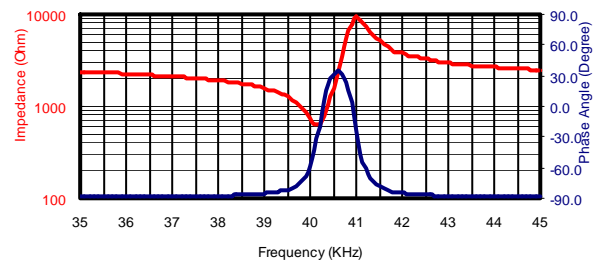


Dimensions: dimensions are in mm



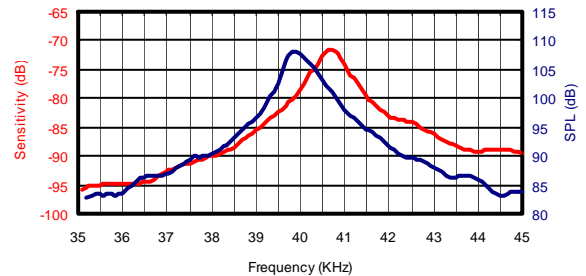
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



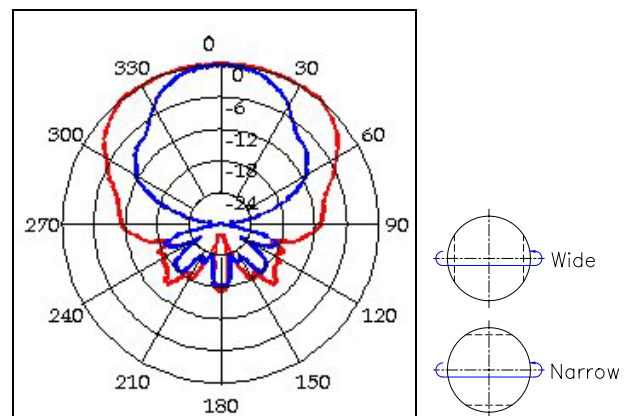
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



Beam Angle: Tested at 40.0Khz frequency

Wide Angle _____ Narrow Angle _____



Asymmetric Beam Patterns

Specification

400EP18D	Transceiver
Center Frequency	40.0±1.0Khz
Bandwidth (-6dB) F.O.M.	2.0Khz
Transmitting Sound Pressure Level	100dB min.
at resonant frequency; 0dB re 0.0002μbar per 10Vrms at 30cm	
Receiving Sensitivity	-80dB min.
at resonant frequency 0dB = 1 volt/μbar	
Nominal Impedance (Ohm)	1000
Ringing	1.2ms max.
Capacitance at 1KHz ±20%	1800 pF
Temperature Compensated Type	3600 pF
Max. Driving Voltage (Cont.)	20Vrms
20 bursts, 25ms repetition rate	100Vpp
Total Beam Angle Wide*	135° typ.
-6dB Narrow*	75° typ.
Operation Temperature	-30 to 80°C
Storage Temperature	-40 to 85°C

All specification taken typical at 25°C
Both lead pins and lead wires output are available

Models available:

1	400EP18D	Black Al. Housing
2	400EP18DC	Temp. Compensated
3	400EP18DCR	T.C. with Rubber Sleeve