

Specification

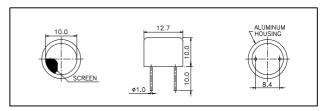
400ST120 Transmitter 400SR120 Receiver 40.0±1.0Khz **Center Frequency** 2.0Khz **Bandwidth** (-6dB) 400ST120 400SR120 2.0Khz 115dB min. **Transmitting Sound Pressure** Level at 40.0Khz; 0dB re 0.0002µbar per 10Vrms at 30cm **Receiving Sensitivity** -67dB min. at 40.0Khz 0dB = $1 \text{ volt/}\mu\text{bar}$ Capacitance at 1Khz ±20% 2400 pF Max. Driving Voltage (cont.) 20Vrms **Total Beam Angle** -6dB 85° typical **Operation Temperature** -30 to 80°C **Storage Temperature** -40 to 85°C

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

Model available:

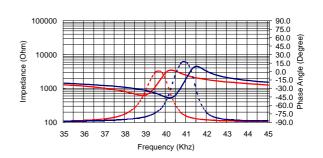
1	400ST/R120	Aluminum Housing
2	400ST/R12B	Black Al. Housing

Dimensions: dimensions are in mm



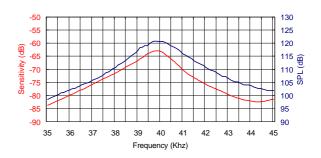
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level
400SR120 Impedance
400SR120 Phase
400ST120 Impedance
400ST120 Phase

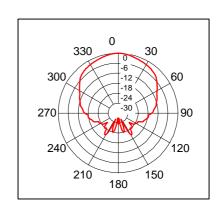


Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



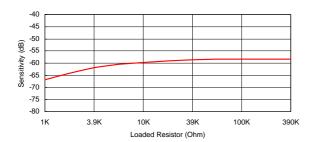
Beam Angle: Tested at 40.0Khz frequency



400SR120 Receiver

400ST120 Transmitter

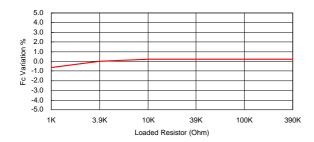
Sensitivity Variation vs. Loaded Resistor



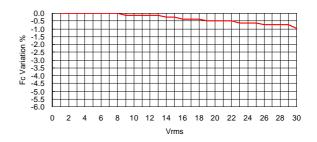
SPL Variation vs. Driving Voltage



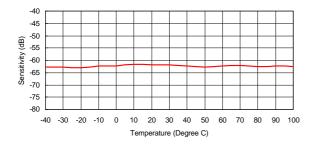
Center Frequency Shift vs. Loaded Resistor



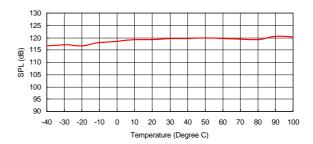
Center Frequency Shift vs. Driving Voltage



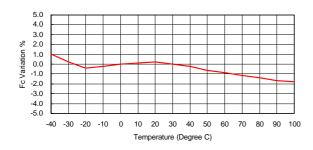
Sensitivity Variation vs. Temperature



SPL Variation vs. Temperature



Center Frequency Shift vs. Temperature



Center Frequency Shift vs. Temperature

