

Asymmetric Beam Patterns Specification

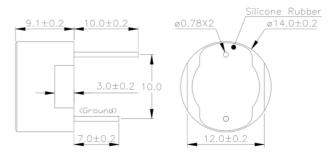
400EP14D Center Frequency Bandwidth (-6dB FOM) Transmitting Sound Pressure Level at resonant frequency;0dB re $0.0002\mu bar$ per 10Vrms at 30cmReceiving Sensitivity at resonant frequency $0dB = 1 \text{ volt/}\mu bar$ Nominal Impedance (Ohm) Ringing (ms) Capacitance at 1KHz ±20% Temperature Compensated Type Max. Driving Voltage (cont.) 20 bursts, 25ms repetition rate Total Beam Angle -6dB Narrow **Operation Temperature** Storage Temperature All specification taken typical at 25°C

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Models available:

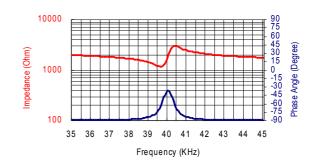
		Black Painted Housing
2	400EP14DC	Temperature compensated (TC)
3	400EP14DCR	T.C. + Rubber Sleeve

Dimensions: dimensions are in mm



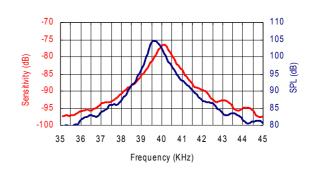
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



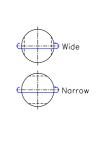
Sensitivity/Sound Pressure Level

Tested under 10Vrms @30cm



Beam Angle: Tested at 40.0Khz frequency Wide Angle Narrow Angle

330 300 270 240 210 300 60 120 90 120





S. Square Enterprise Company Limited Pro-Wave Electronics Corporation

Transceiver

103dB min.

(Transducer alone)

(Transducer alone)

-78dB min.

1.0KHz

1000

1.2 max.

1600 pF

3200 pF

20Vrms

100Vpp

135° typ.

-40 to 80°C

85° typ. -30 to 70°C

40.0±1.0KHz