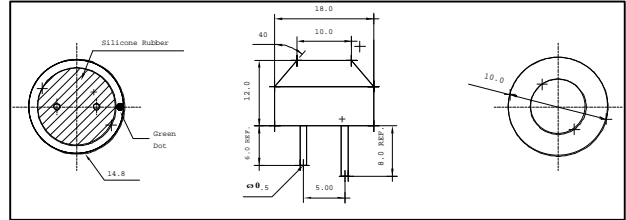


**PROWAVE Air Ultrasonic Ceramic Transducers 400EP18A**



**Dimensions:** dimensions are in mm



**Specification**

<b>400EP18A</b>	Transceiver
<b>Center Frequency</b>	40.0±1.0Khz
<b>Bandwidth (-6dB) 400EP18A</b>	1.5Khz
<b>Transmitting Sound Pressure Level</b>	108dB min.
at resonant frequency; 0dB re 0.0002µbar per 10Vrms at 30cm	
<b>Receiving Sensitivity</b>	-75dB min.
at resonant frequency 0dB = 1 volt/µbar	
<b>Nominal Impedance (Ohm)</b>	500
<b>Ringing (ms)</b>	1.2 max.
<b>Capacitance at 1Khz</b>	±20% 1900 pF
<b>Max. Driving Voltage (cont.)</b>	20Vrms
<b>Total Beam Angle</b>	-6dB 85°
<b>Operation Temperature</b>	-20 to 70°C
<b>Storage Temperature</b>	-40 to 80°C

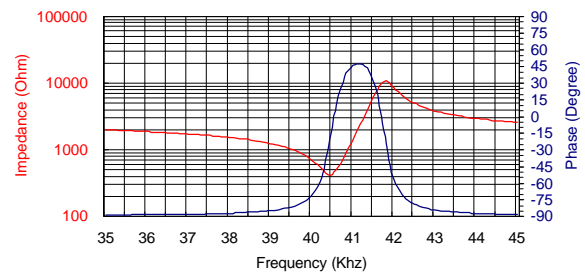
All specification is typical at 25°C  
Closer frequency tolerance, shorter ringing and wider bandwidth models can be supplied upon request.

Model available:

1	400EP18A	Black Al. Housing
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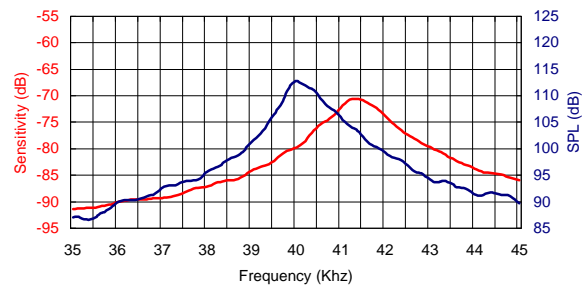
**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level



**Sensitivity/Sound Pressure Level**

Tested under 10Vrms @ 30cm



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

