



SensComp, Inc.  
 36704 Commerce Rd.  
 Livonia, MI 48150  
 Telephone: (734) 953-4783  
 Fax: (734) 953-4518  
 www.senscomp.com

# Piezo Transducer 40KPT25

SensComp's 'K' Series Closed Face Piezo Transducers – 40KPT25 Transceiver

## Features

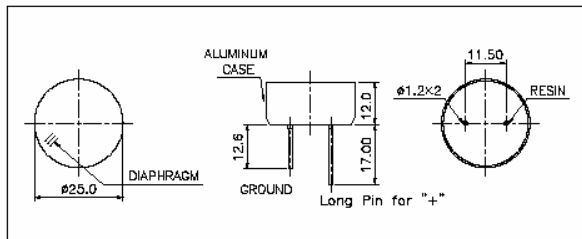
- Closed Face Construction
- Environmentally Rugged
- Durable, Sealed Construction Protects Against Water, Heat, Humidity and Other Elements
- Internal Mechanical Techniques for Improved Temporal Ring Control
- Specifically Intended for Operation in Air at Ultrasonic Frequencies

## Part No.

PID# 618905 – 40KPT25 Transceiver

## Specifications

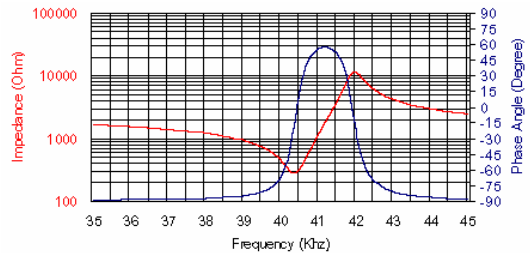
- 40KPT25** ..... Transceiver
  - Center Frequency** ..... 40.0 ± 1.0 kHz
  - Bandwidth (-6 dB)** ..... 4.0 kHz
  - Transmitting Sound Pressure Level** ..... 113 dB min  
 at resonant frequency; 0dB re  
 0.0002 µbar per 10 Vrms at 30 cm
  - Receiving Sensitivity** ..... -72 dB min  
 at resonant frequency;  
 0dB = 1 volt/ µbar
  - Nominal Impedance (ohm)** ..... 2400
  - Ringing (ms)** ..... 1.2 max
  - Capacitance at 1 kHz ± 20%** ..... 2400 pf
  - Maximum Driving Voltage (cont.)** ..... 20 Vrms
  - Total Beam Angle (-6 dB)** ..... 30°
  - Operating Temperature** ..... -30° to 80° C
  - Storage Temperature** ..... -40° to 85° C
- All Specifications taken typical at 25° C
- Dimensions:** dimensions are in mm



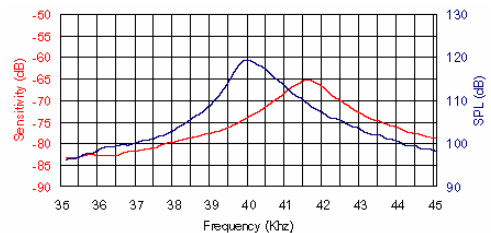
## Specifications



### Impedance/Phase Angle vs. Frequency Tested under 1 Vrms Oscillation Level



### Sensitivity/Sound Pressure Level Tested under 10 Vrms @ 30 cm



### Beam Angle: Tested at 40.0 kHz

