

# K Series 200KHF18

SensComp's 'K' Series Closed Face Piezoelectric Ultrasonic Sensor – 200KHF18 High Frequency Transceiver

## Features

- Closed Face Construction
- Environmentally Rugged Aluminum Housing
- Durable, Sealed Construction Protects Against Water, Heat, Humidity and Other Elements
- Coated with Special Acoustic Material for Optimum Efficiency and Impedance Matching to Air
- Specifically Intended for Operation in Air at Ultrasonic Frequencies

## Part No.

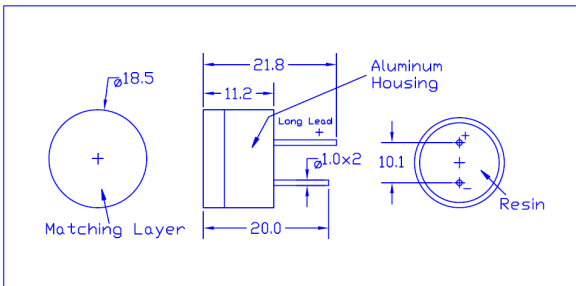
\*PID# 618907LF – K Series 200KHF18

\*RoHS Compliant

## Specifications

- 200KHF18**..... Transceiver
- Center Frequency**..... 200.0 ±10 KHz
- Bandwidth (FOM)** ..... 10 kHz
- Echo Sensitivity** ..... -61 ±3 dB  
0db re 20Vp-p, 40 bursts
- Nominal Impedance (ohm)**..... 600
- Capacitance at 1 kHz ± 20%**..... 600 pF
- Maximum Driving Voltage (Pulse)**..... 50 Vp-p  
(10% duty cycle)
- Total Beam Angle (-6 dB)**..... 10° typical
- Housing**..... Aluminum
- Matching Window**..... Resin with filler
- Operating Temperature** ..... -20° to 60°C
- Storage Temperature** ..... -30° to 70°C  
all specifications taken typical at 25° C

**Dimensions:** dimensions are in mm

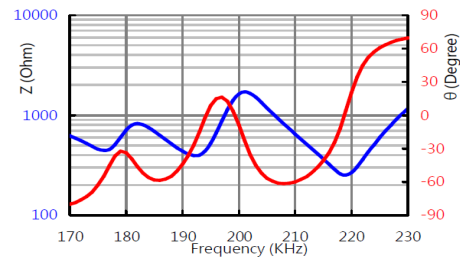


## Specifications



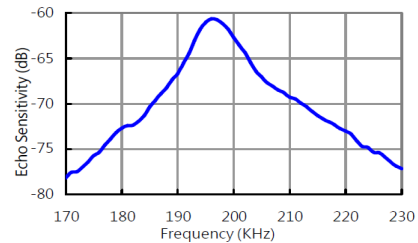
### Impedance/Phase Angle vs. Frequency:

Tested under 1Vrms Oscillation Level



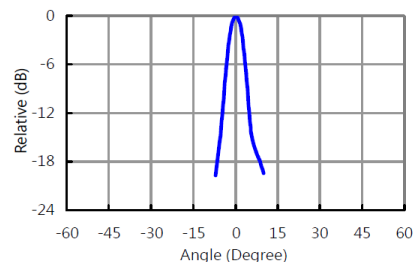
### Echo Sensitivity:

Tested under 20Vp-p @25cm ; 0dB=20Vp-p



### Beam Angle:

Tested at 200.0 KHz frequency



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