

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.

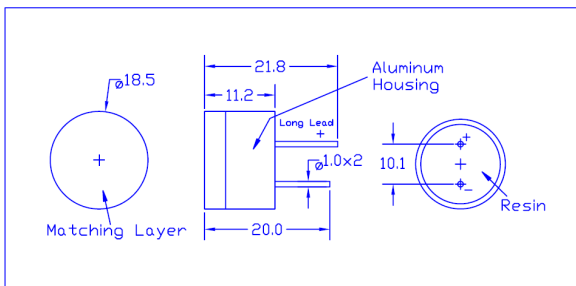
*PID# 618907LF – K Series 200KHF18

*RoHS Compliant

Specifications

200KHF18..... Transceiver
Center Frequency..... 200.0 $\pm$ 10 KHz
Bandwidth (FOM)..... 10 kHz
Echo Sensitivity -61 $\pm$ 3 dB
0db re 20Vp-p, 40 bursts
Nominal Impedance (ohm)..... 600
Capacitance at 1 kHz $\pm$ 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

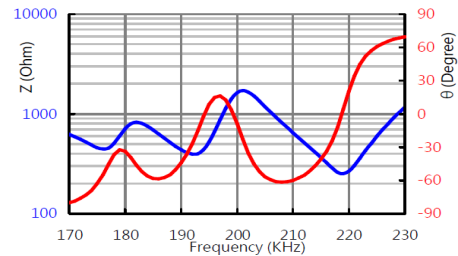


Specifications



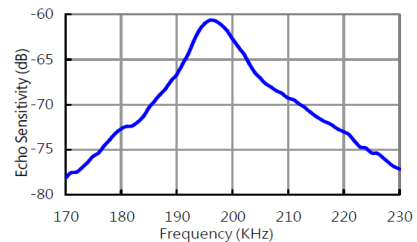
Impedance/Phase Angle vs. Frequency:

Tested under 1Vrms Oscillation Level



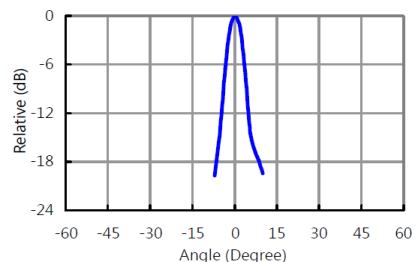
Echo Sensitivity:

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



Beam Angle:

Tested at 200.0 KHz frequency



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