

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

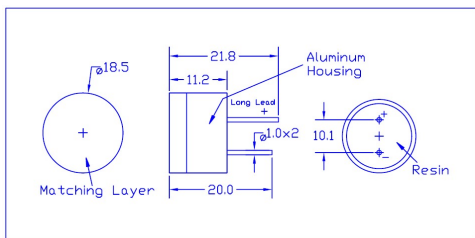
Part No.

*PID# 618907LF – K Series 200KHF18
*RoHS Compliant

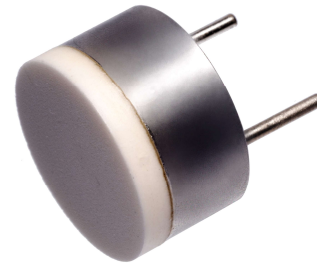
Specifications

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

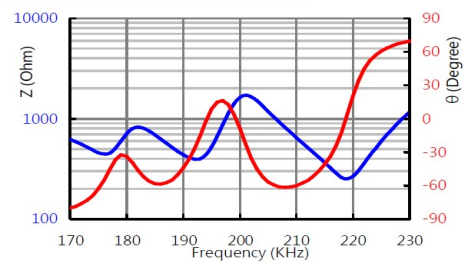


Specifications



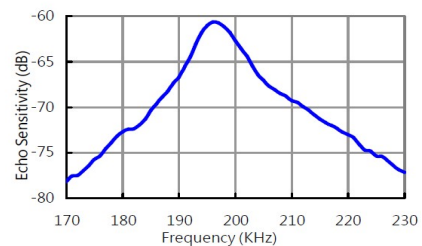
Impedance/Phase Angle vs. Frequency:

Tested under 1Vrms Oscillation Level



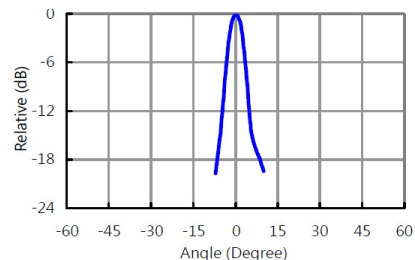
Echo Sensitivity:

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



Beam Angle:

Tested at 200.0 KHz frequency



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