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Piezo Transducer 120KHF25

SensComp's 'K' Series Closed Face Piezo Transducers – 120KHF25 High Frequency Transceiver

Features

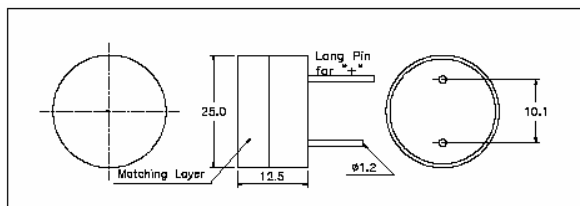
- Closed Face Construction
- Environmentally Rugged
- Durable, Sealed Construction Protects Against Water, Heat, Humidity and Other Elements
- Coated with Special Acoustic Material for Optimum Efficiency and Impedance Matching to Air
- Specifically Intended for Operation in Air at Ultrasonic Frequencies

Part No.

PID# 618906 – 120KHF25 High Frequency Transceiver

Specifications

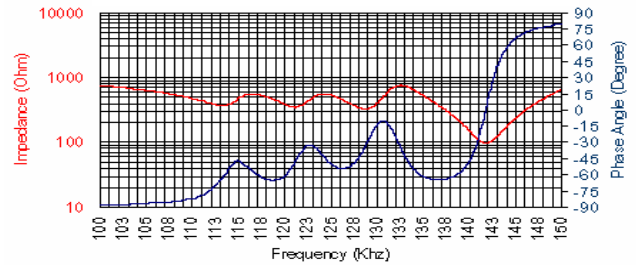
120KHF25	Transceiver
Center Frequency	125.0 ± 1.0 kHz
Bandwidth (FOM)	10 kHz
Transmitting Sensitivity	20 dB
0 dB re 1 µbar / 1 Vrms at 30 cm	
Receiving Sensitivity	-70 dB
0 dB = 1 volt/ µbar	
Figure of Merit (TS + RS)	-50 dB
Nominal Impedance (ohm)	300
Capacitance at 1 kHz ± 20%	1400 pf
Maximum Driving Voltage (Pulse)	50 Vpp
At 10% duty cycle	
Total Beam Angle (-6 dB)	10°
Matching Window	Resin with filler
Operating Temperature	-20° to 70° C
Storage Temperature	-40° to 80° C
All Specifications taken typical at 25° C	
Dimensions:	dimensions are in mm



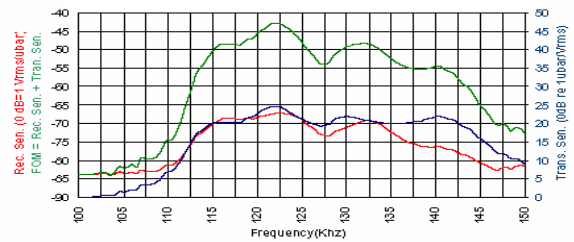
Specifications



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



Receiving/Transmitting Sensitivity & Figure of Merit (RS + TS)
 Tested at distance of 30 cm



Beam Angle: Tested at 40.0 kHz

