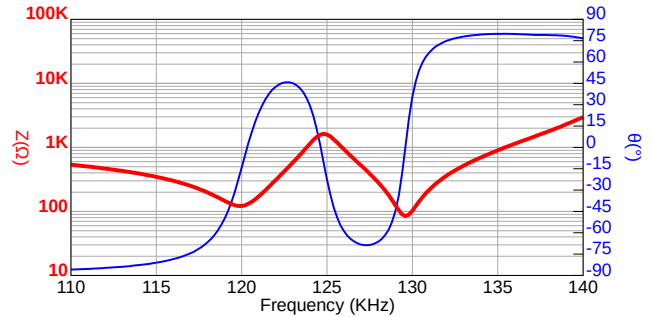


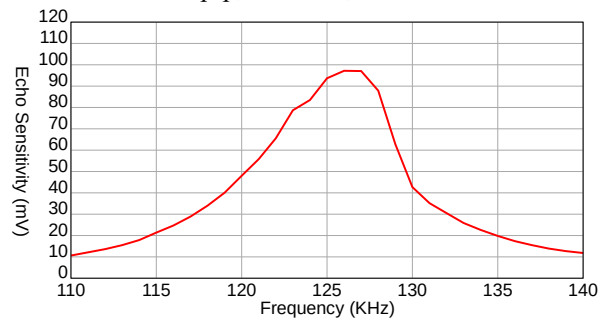
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



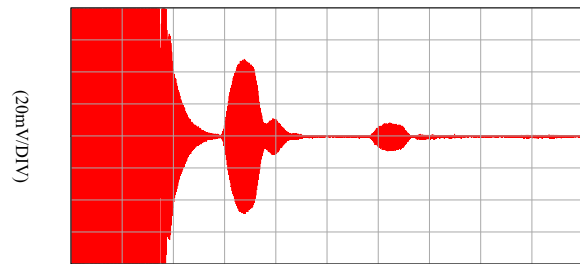
Echo Sensitivity vs. Frequency

Tested under 20Vp-p, 40 bursts, 25cm



Echo Sensitivity/Ringing

Tested under 20Vp-p, 40 bursts, 25cm, 126KHz

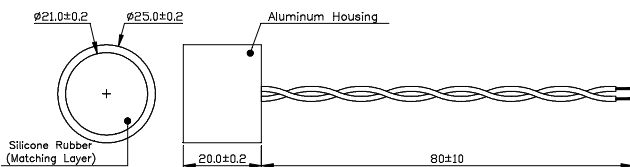


Specification

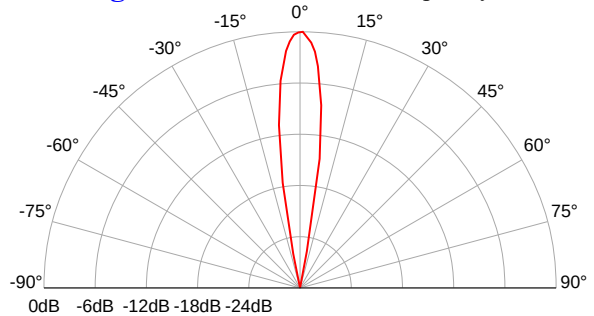
125SR250	Transceiver
Center Frequency	125.0±10.0KHz
Bandwidth Echo Sensitivity -6dB	8 KHz
Echo Sensitivity	-57 dB min.
0dB re 20Vp-p sine wave,40 bursts @ 25cm	28 mVp-p min.
Dead Zone 10burst	20 cm
Capacitance at 1KHz ±20%	1250 pF
Max. Driving Voltage	200 Vp-p
Pulse 2% duty cycle tone burst	
Total Beam Angle -3dB	8.0° typical
-6dB	11.0° typical
Matching Window	Silicone Rubber
Operation Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C

All specification taken typical at 25°C
Low ringing model can be arranged

Dimensions: dimensions are in mm



Beam Angle: Tested at 125.0KHz Frequency

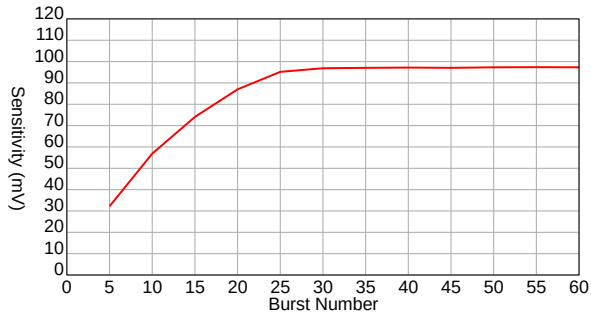


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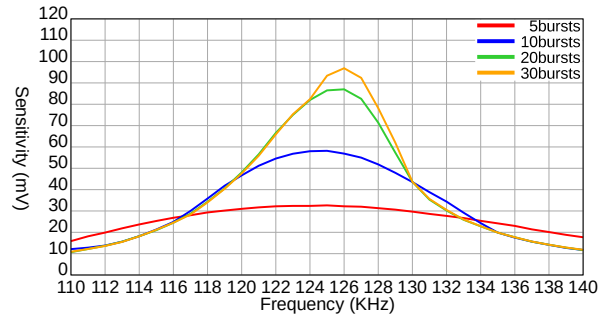
Sensitivity vs. Driving Burst Number

Driving voltage 20Vp-p sine wave, Reflection target distance: 25cm @126KHz



Bandwidth vs. Driving Burst Number

Driving voltage 20Vp-p sine wave, Reflection target distance: 25cm



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