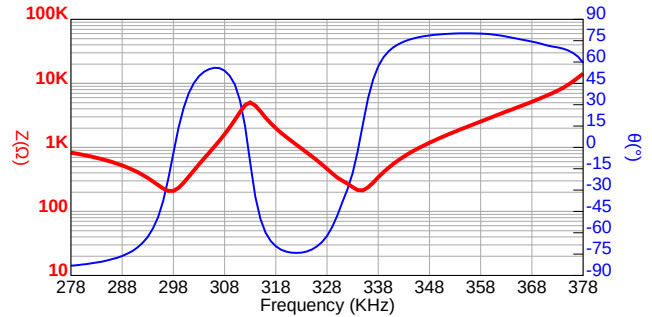


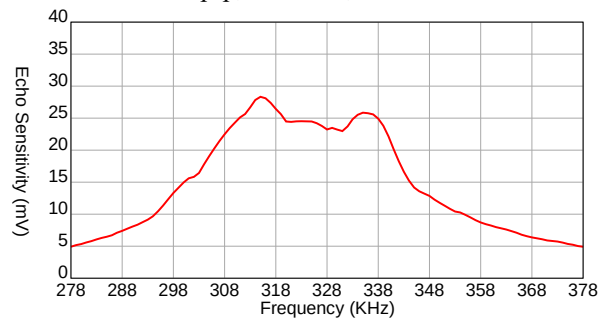
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



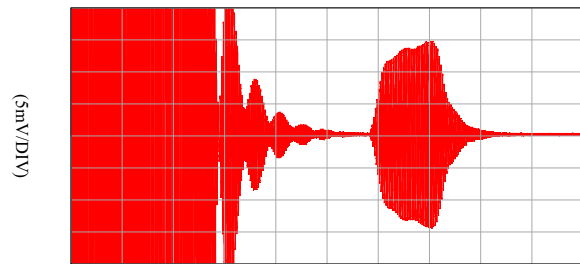
Echo Sensitivity vs. Frequency

Tested under 20Vp-p, 40 bursts, 10cm



Echo Sensitivity/Ringing

Tested under 20Vp-p, 40 bursts, 10cm, 335KHz



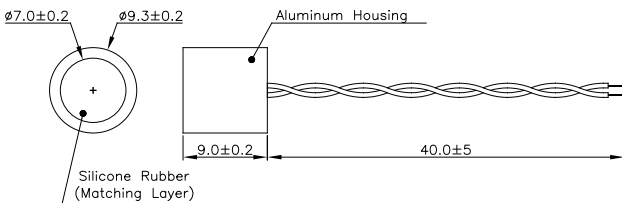
Specification

328SR093	Transceiver
Center Frequency	328.0±10.0KHz
Bandwidth Echo Sensitivity-6dB	10 KHz
Echo Sensitivity	-61 dB min.
0dB re 20Vp-p sine wave, 40 bursts @ 10cm	18 mVp-p min.
Dead Zone 10bursts	8 cm
Capacitance at 1KHz ±20%	270 pF
Max. Driving Voltage	50 Vp-p
Pulse 10% duty cycle tone burst	
Total Beam Angle	-3dB 9.5° typical
	-6dB 12.5° typical
Matching Window	Silicone Rubber
Operation Temperature	0°C to 70°C
Storage Temperature	-20°C to 80°C

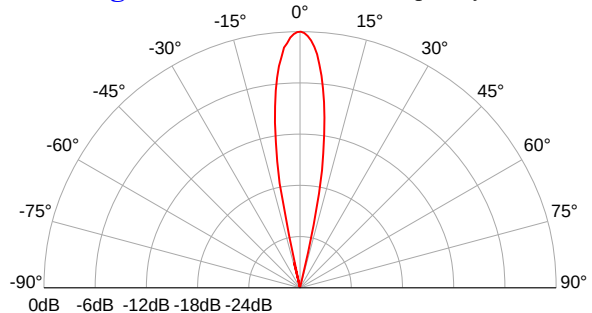
All specification taken typical at 25°C

Low ringing model can be arranged

Dimensions: dimensions are in mm

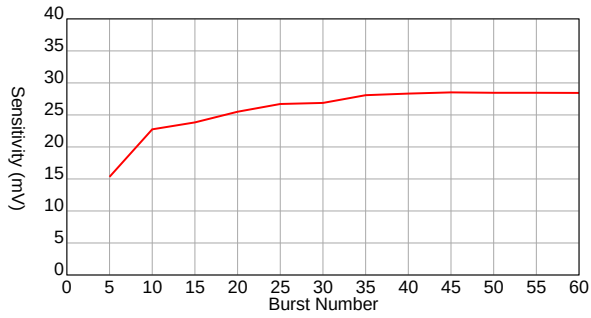


Beam Angle: Tested at 328 KHz Frequency



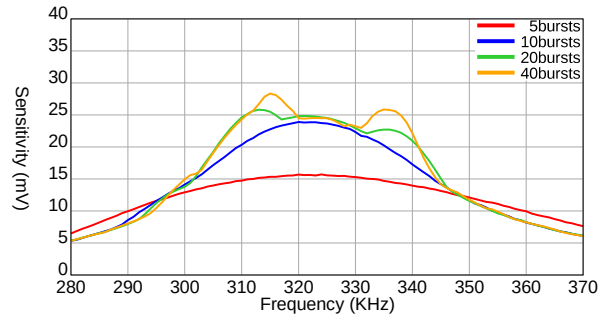
Sensitivity vs. Driving Burst Number

Driving voltage 20Vp-p sine wave, Reflection target distance: 10cm @315KHz



Bandwidth vs. Driving Burst Number

Driving voltage 20Vp-p sine wave, Reflection target distance: 10cm



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