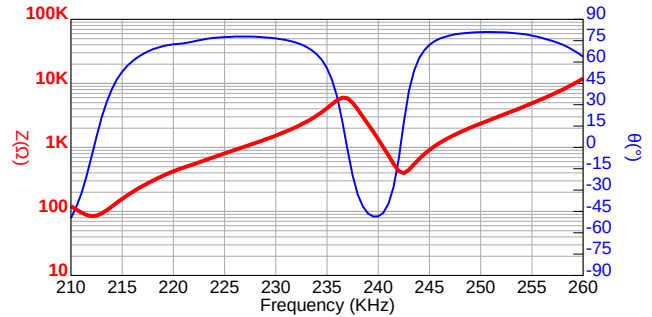


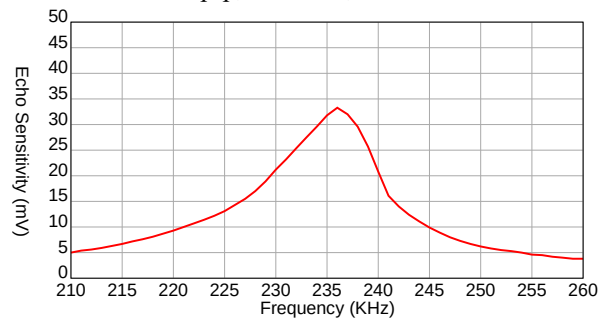
**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level



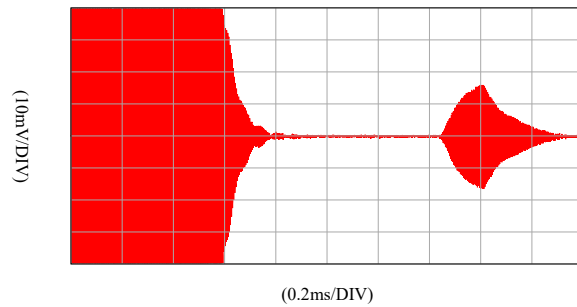
**Echo Sensitivity vs. Frequency**

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

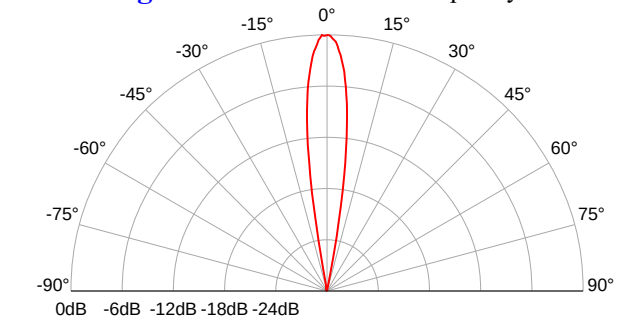


**Echo Sensitivity/Ringing**

Tested under 20Vp-p, 40 bursts, 25cm, 236KHz



**Beam Angle: Tested at 235.0KHz Frequency**



**Specification**

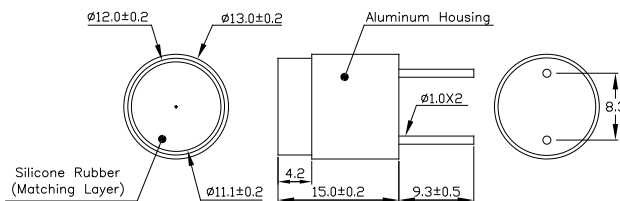
<b>235SR130</b>	Transceiver
<b>Center Frequency</b>	235.0±10.0KHz
<b>Bandwidth</b> Echo Sensitivity-6dB	10 KHz
<b>Echo Sensitivity</b> 0dB re 20Vp-p sine wave,40 bursts @ 25cm	-61 dB min.
<b>Dead Zone</b> 10bursts	18 mVp-p min.
<b>Capacitance</b> at 1KHz ±20%	15 cm
<b>Max. Driving Voltage</b> Pulse 10% duty cycle tone burst	540 pF
<b>Total Beam Angle</b> -3dB	80 Vp-p
-6dB	7.5° typical
<b>Matching Window</b>	10.5° typical
<b>Operation Temperature</b>	Silicone Rubber
<b>Storage Temperature</b>	-20°C to 70°C
	-30°C to 80°C

All specification taken typical at 25°C  
Closer frequency tolerance, shorter ringing and wider bandwidth models can be supplied upon request.

**Model available:**

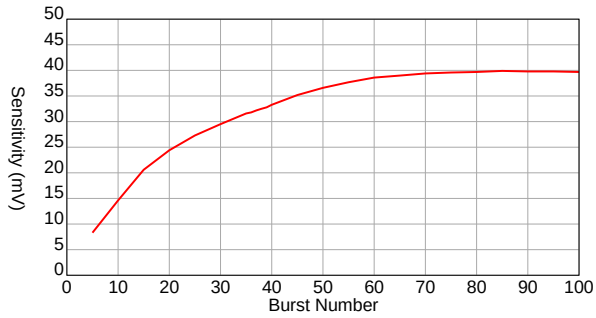
1	235AC013	Aluminum Housing
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**Dimensions:** dimensions are in mm



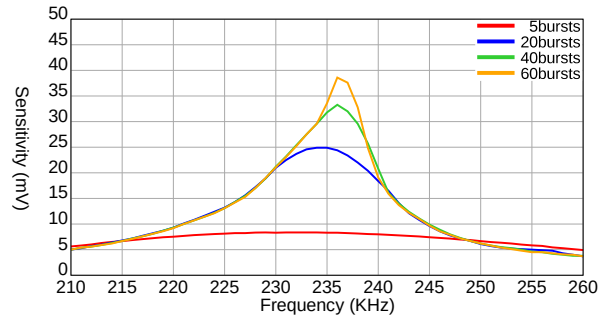
**Sensitivity vs. Driving Burst Number**

Driving voltage 20Vp-p sine wave, Reflection target distance: 25cm @236KHz



**Bandwidth vs. Driving Burst Number**

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



**S. Square Enterprise Company Limited**  
**Pro-Wave Electronics Corporation**

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