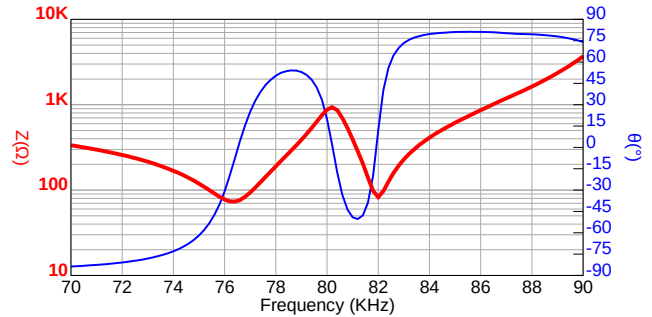




**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level

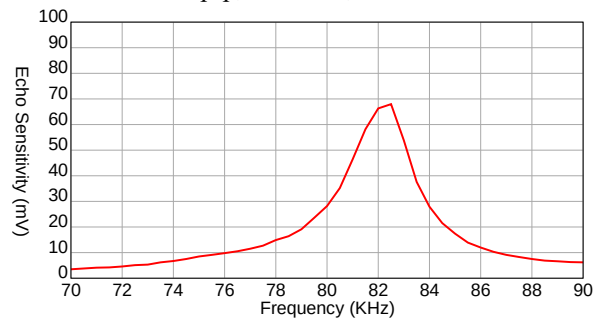


**Specification**

080SR365	Transceiver
Center Frequency	80.0±5.0 KHz
Bandwidth Echo Sensitivity -6dB	4.5 KHz
Echo Sensitivity 0dB re 20Vp-p @ 50 cm , 40 Bursts	-57 dB min. 28.25 mVp-p min.
Dead Zone 10 Bursts	35 cm
Capacitance at 1KHz ±20%	2800 pF
Max. Driving Voltage Pulse 2% duty cycle tone burst	700 Vp-p
Total Beam Angle -3dB	8.0° typical
-6dB	11.0° typical
Matching Window	Silicone Rubber
Operation Temperature	-20°C to 70°C
Storage Temperature	-30°C to 80°C

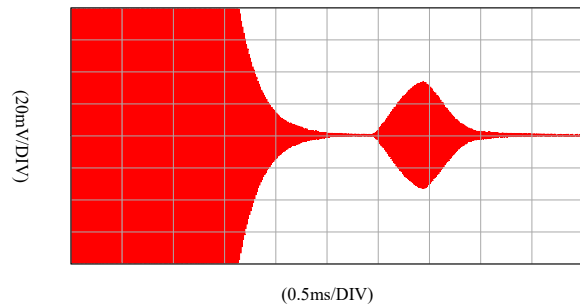
**Echo Sensitivity vs. Frequency**

Tested under 20Vp-p, 40 bursts, 50cm



**Echo Sensitivity/Ringing**

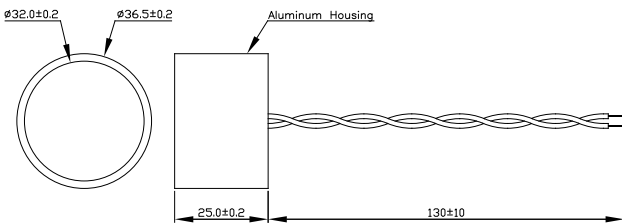
Tested under 20Vp-p, 40 bursts, 50cm, 82.5KHz



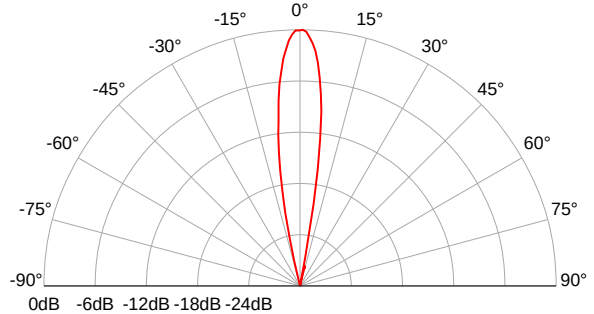
All specification taken typical at 25°C

Low ringing model can be arranged

**Dimensions:** dimensions are in mm

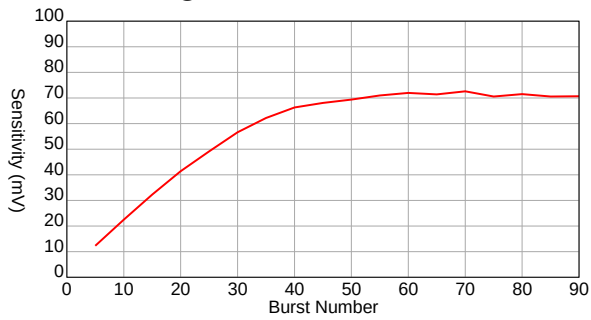


**Beam Angle:** Tested at 80 KHz Frequency



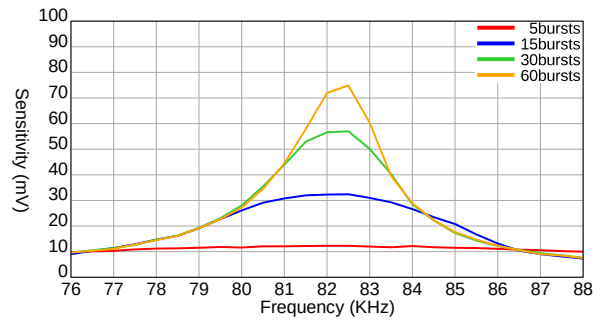
**Sensitivity vs. Driving Burst Number**

Driving voltage 20Vp-p sine wave, Reflection target distance: 50cm @82.5KHz



**Bandwidth vs. Driving Burst Number**

Driving voltage 20Vp-p sine wave, Reflection target distance: 50cm



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

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