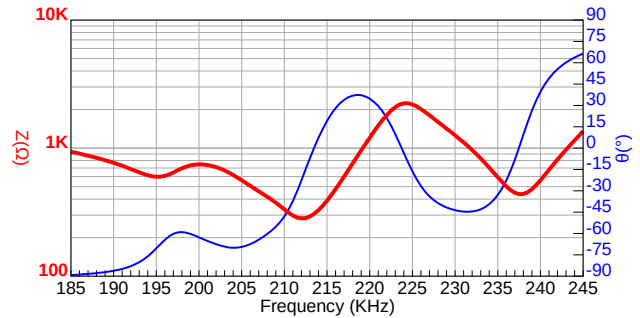




**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level



**Specification**

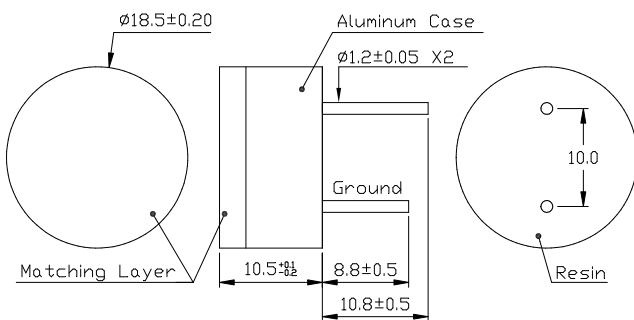
215GE180	Transceiver
Center Frequency	215 KHz ±2%
Bandwidth Echo Sensitivity-6dB	10 KHz
Echo Sensitivity 0dB re 20Vp-p Square wave, 30 bursts @ 25cm	-55 dB (min.)
Capacitance at 1KHz ±20%	480 pF
Dead Zone 10bursts	7 cm
Max. Driving Voltage Pulse 10% duty cycle tone burst	50 Vp-p
Total Beam Angle -6dB	5.5° typical
Matching Window	Resin with filler
Operation Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C

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

**Model available**

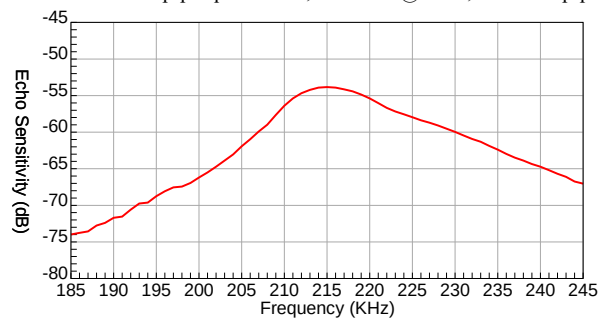
1	215GE180	Aluminum Housing
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**Dimensions** dimensions are in mm



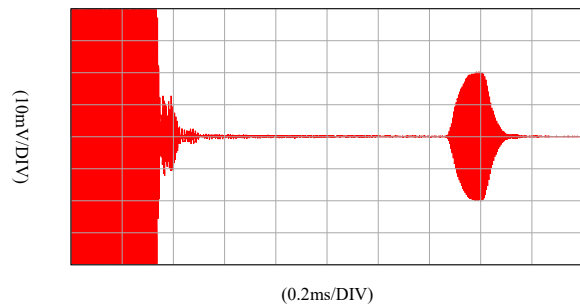
**Echo Sensitivity vs. Frequency**

Tested under 20Vp-p Square wave, 30 bursts @25cm; 0dB=20Vp-p



**Echo Sensitivity/Ringing**

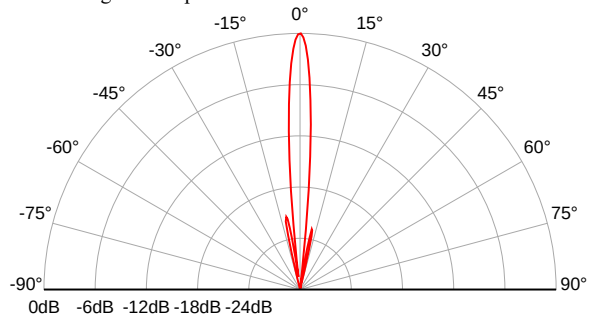
Tested under 20Vp-p Square wave, 30 bursts @25cm, 215KHz



**Beam Angle (Reflective sensitivity)**

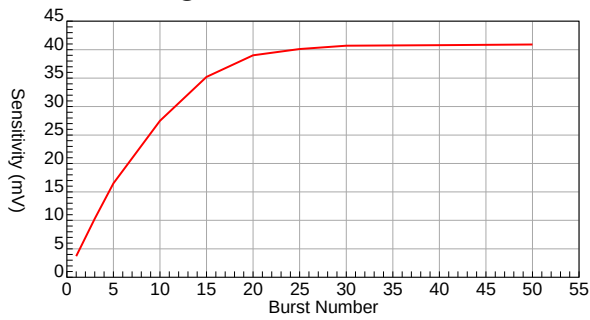
Tested at 215KHz frequency

Reflection target metal panel 200×200×10T mm



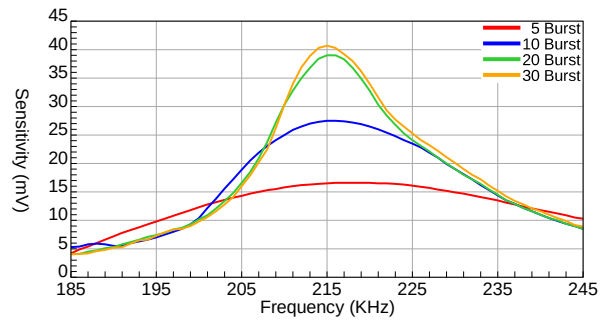
**Sensitivity vs. Driving Burst Number**

Driving voltage 20Vp-p Square wave, Reflection target distance: 25cm @215KHz



**Bandwidth vs. Driving Burst Number**

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



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

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