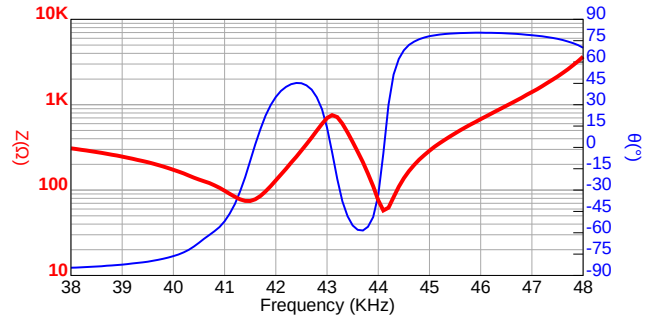




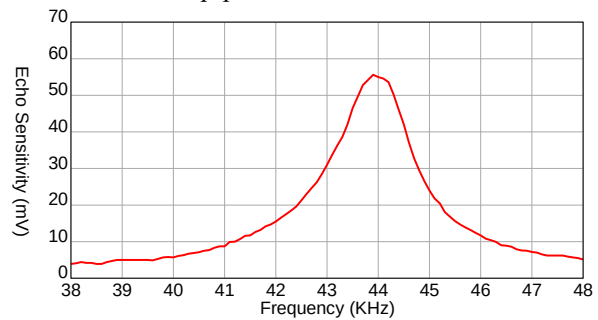
Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level



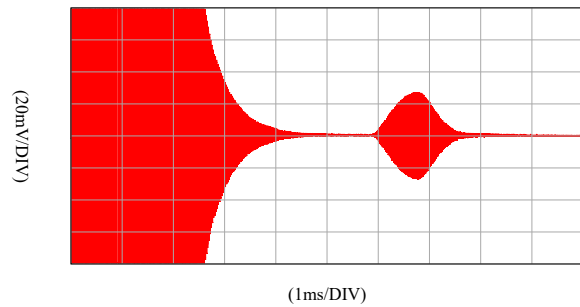
Echo Sensitivity vs. Frequency

Tested under 20Vp-p, 40 bursts, 100cm



Echo Sensitivity/Ringing

Tested under 20Vp-p, 40 bursts, 100cm, 43.9KHz

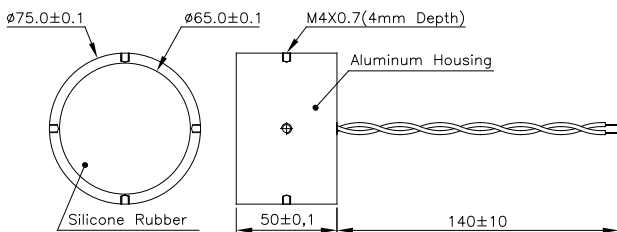


Specification

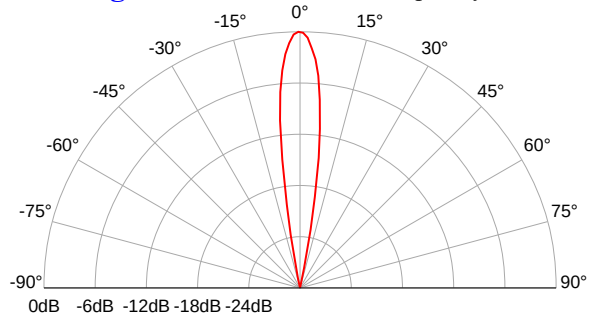
043SR750	Transceiver
Center Frequency	43.0±4.0 KHz
Bandwidth Echo Sensitivity-6dB	2.0 KHz
Echo Sensitivity 0dB re 20Vp-p sine wave, 40 bursts @ 100cm	-57 dB min. 28 mVp-p min.
Dead Zone 10bursts	65 cm
Capacitance at 1KHz ±20%	5700 pF
Max. Driving Voltage Pulse 2% duty cycle tone burst	1500 Vp-p
Total Beam Angle -3dB	7.5° typical
-6dB	11.0° typical
Matching Window	Silicone Rubber
Operation Temperature	-20°C to 70°C
Storage Temperature	-30°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 43.0KHz Frequency

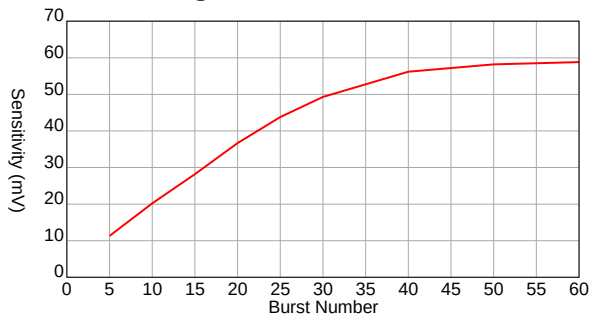


S. Square Enterprise Company Limited
Pro-Wave Electronics Corporation

[Http://www.pro-wave.com.tw](http://www.pro-wave.com.tw) ; E-mail: sales@pro-wave.com.tw ; Tel: 886-2-22465101 ; Fax: 886-2-22465105

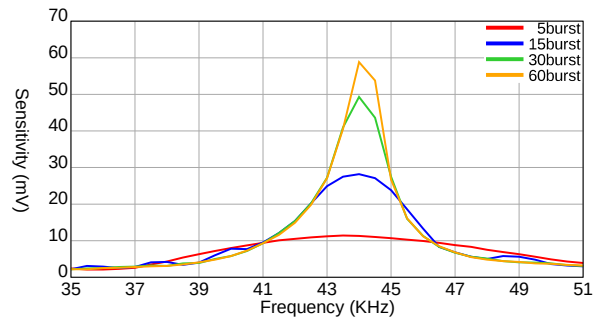
Sensitivity vs. Driving Burst Number

Driving voltage 20Vp-p sine wave, Reflection target distance: 100cm @44KHz



Bandwidth vs. Driving Burst Number

Driving voltage 20Vp-p sine wave, Reflection target distance: 100cm



S. Square Enterprise Company Limited
Pro-Wave Electronics Corporation

[Http://www.pro-wave.com.tw](http://www.pro-wave.com.tw) ; E-mail: sales@pro-wave.com.tw ; Tel: 886-2-22465101 ; Fax: 886-2-22465105