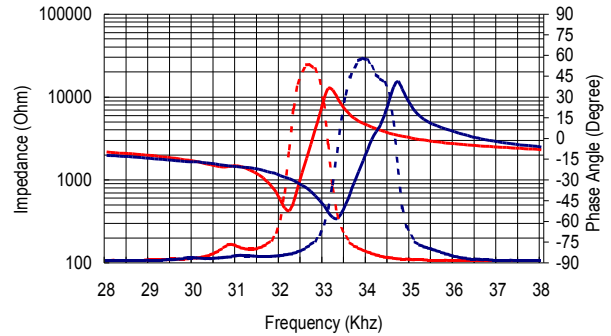


**Impedance/Phase Angle vs. Frequency**

Tested under 1Vrms Oscillation Level

328ER250 Impedance —————  
 328ER250 Phase - - - - -  
 328ET250 Impedance —————  
 328ET250 Phase - - - - -



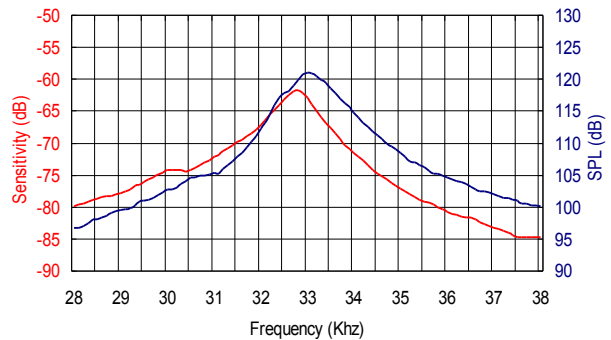
**Specification**

328ET250	Transmitter
328ER250	Receiver
Center Frequency	32.8±1.0KHz
Bandwidth (-6dB)	328ET250 1.0KHz 328ER250 1.0KHz
Transmitting Sound Pressure Level at 32.8KHz; 0dB re 0.0002μbar per 10Vrms at 30cm	113dB min. 107dB min. SUS 316
Receiving Sensitivity at 32.8KHz 0dB = 1 volt/μbar	-67dB min. -70dB min. SUS 316
Capacitance at 1KHz	±20% 2400 pF
Max. Driving Voltage (cont.)	20Vrms
Total Beam Angle	-6dB 33° typical
Operation Temperature	-30 to 70°C
Storage Temperature	-40 to 80°C

All specification taken typical at 25°C  
 Closer frequency tolerance can be supplied upon request.

**Sensitivity/Sound Pressure Level**

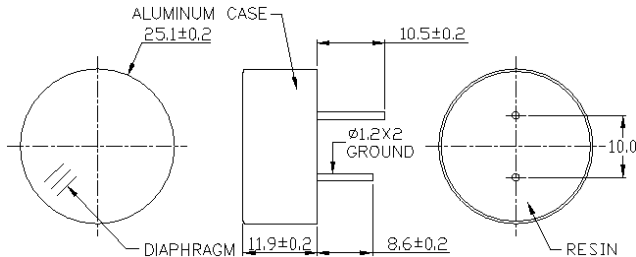
Tested under 10Vrms @30cm



Model available:

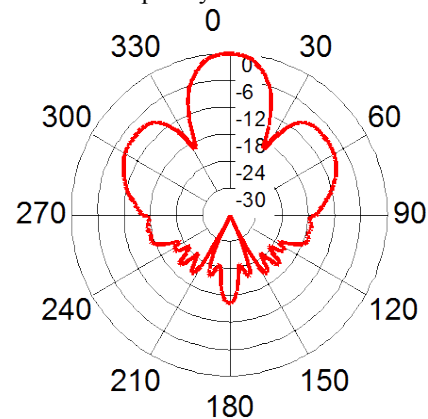
1	328ET/R250	Aluminum Housing
2	328ET/R250B	Black Alum. Housing
3	328ET/R250S	SUS 316 Housing

**Dimensions:** dimensions are in mm



**Beam Angle**

Tested at 32.8KHz frequency

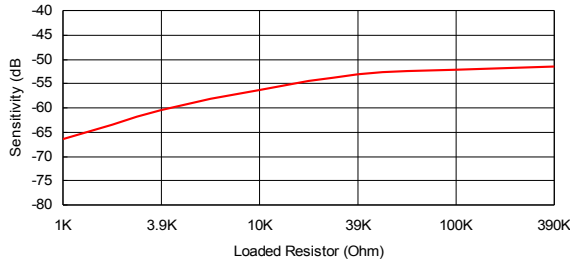


**S. Square Enterprise Company Limited**  
**Pro-Wave Electronics Corporation**

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

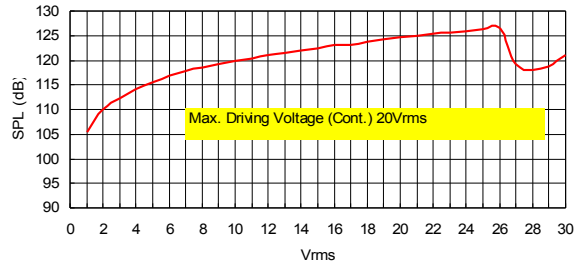
**328ER250 Receiver**

**Sensitivity Variation vs. Loaded Resistor**

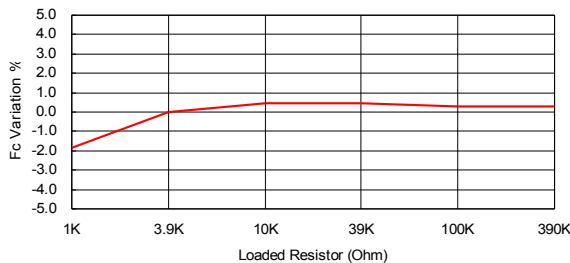


**328ET250 Transmitter**

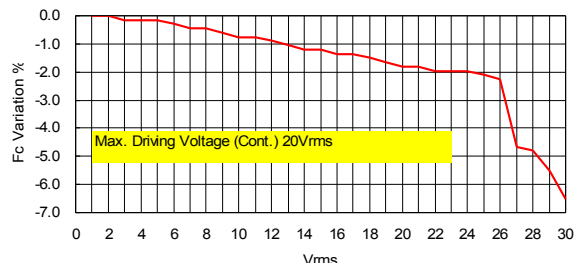
**SPL Variation vs. Driving Voltage**



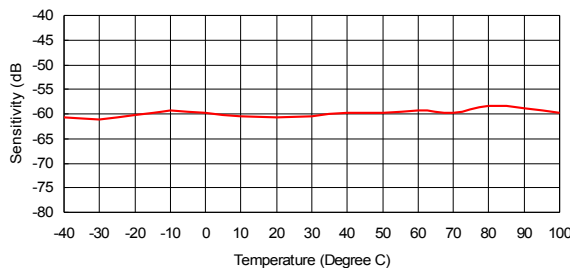
**Center Frequency Shift vs. Loaded Resistor**



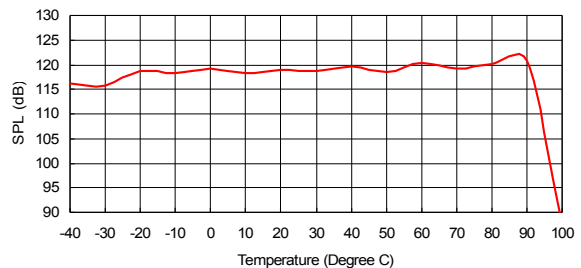
**Center Frequency Shift vs. Driving Voltage**



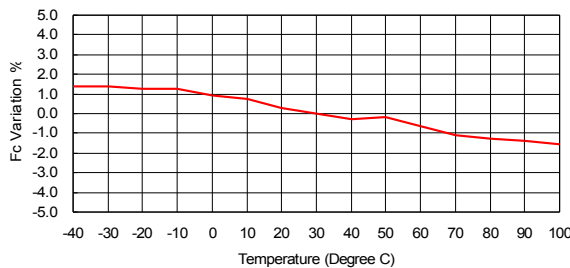
**Sensitivity Variation vs. Temperature**



**SPL Variation vs. Temperature**



**Center Frequency Shift vs. Temperature**



**Center Frequency Shift vs. Temperature**

