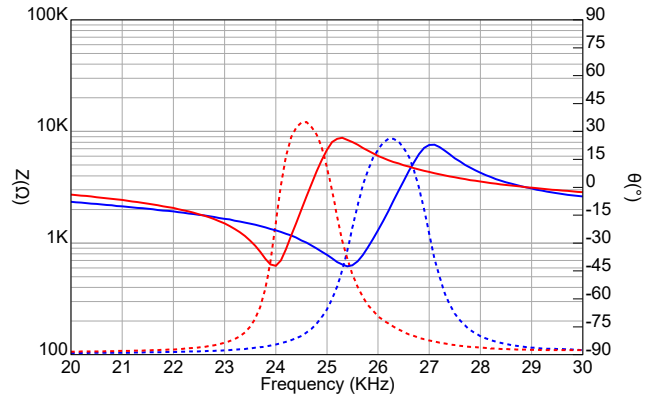




Impedance/Phase Angle vs. Frequency

Tested under 1Vrms Oscillation Level.

250SR160 Impedance ————
 250SR160 Phase - - - - -
 250ST160 Impedance ————
 250ST160 Phase - - - - -



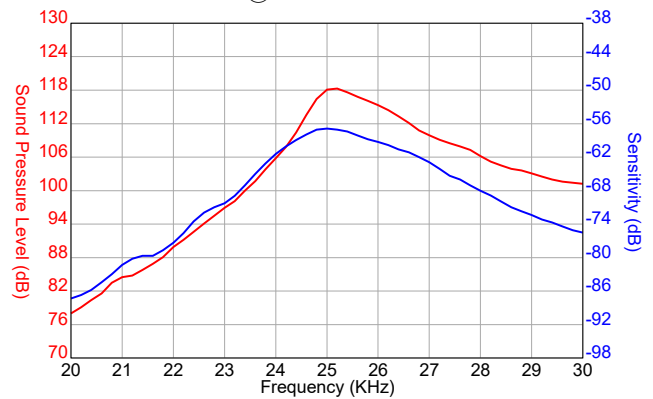
Specification

| | |
|--|--------------------------------|
| 250ST160 | Transmitter |
| 250SR160 | Receiver |
| Center Frequency | 25.0±1.0KHz |
| Bandwidth (-6dB) | 2.0KHz |
| Transmitting Sound Pressure Level at 25.0KHz; 0dB re 0.0002μbar per 10Vrms at 30cm | 112dB min. |
| Receiving Sensitivity at 25.0KHz 0dB = 1 volt/μbar | -62dB min. |
| Capacitance at 1KHz ±20% | 250ST 3000 pF 250SR 2600 pF |
| Max. Driving Voltage (cont.) | 20Vrms |
| Total Beam Angle (-6dB) | 85° 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

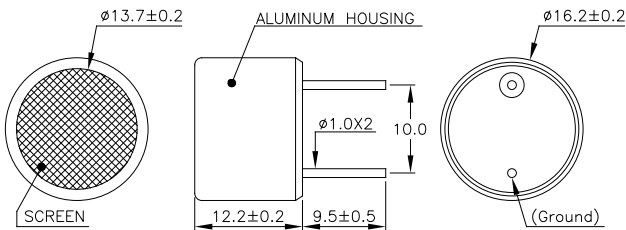


Model available:

| | | |
|---|------------|------------------------|
| 1 | 250ST/R160 | Aluminum Housing |
| 2 | 250ST/R16B | Black Aluminum Housing |
| 3 | 250ST/R16P | Plastic Housing |

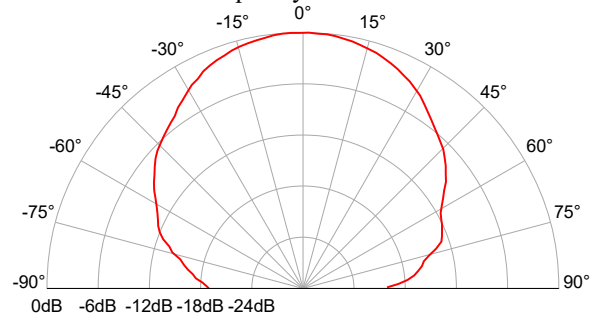
Dimensions

dimensions are in mm



Beam Angle

Tested at 25.0KHz Frequency

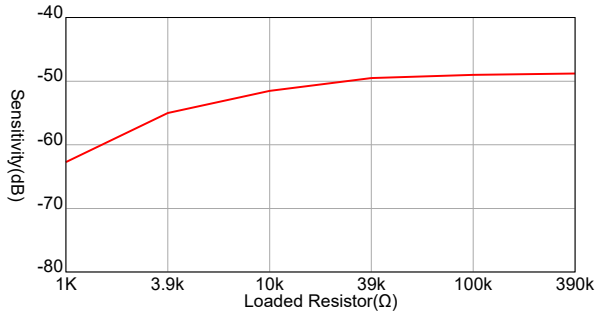


S. Square Enterprise Company Limited
Pro-Wave Electronics Corporation

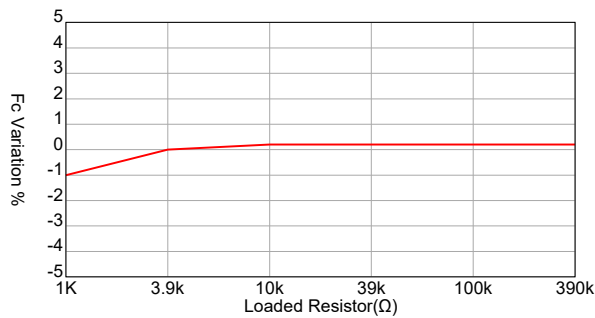
[Http://www.pro-wave.com.tw](http://www.pro-wave.com.tw) ; E-mail: sales@pro-wave.com.tw ; Tel: 886-2-22465101 ; Fax: 886-2-22465105

250SR160 Receiver

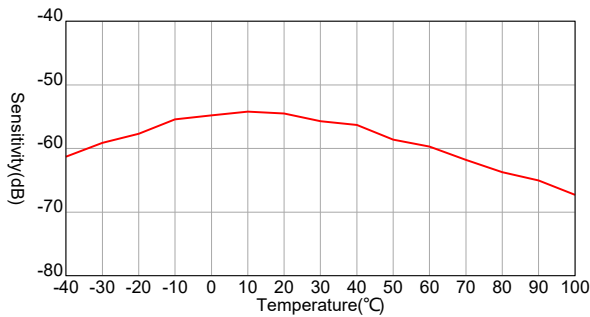
Sensitivity Variation vs. Loaded Resistor



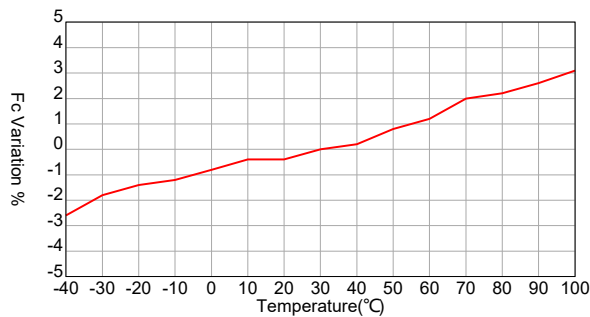
Center Frequency Shift vs. Loaded Resistor



Sensitivity Variation vs. Temperature

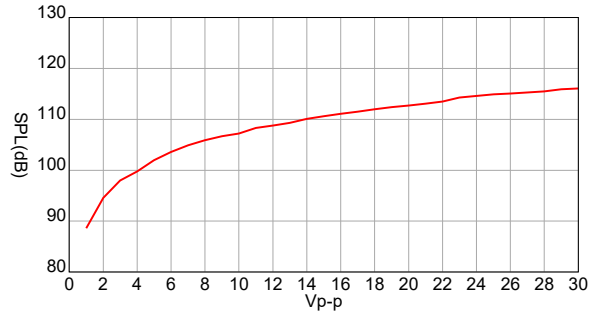


Center Frequency Shift vs. Temperature

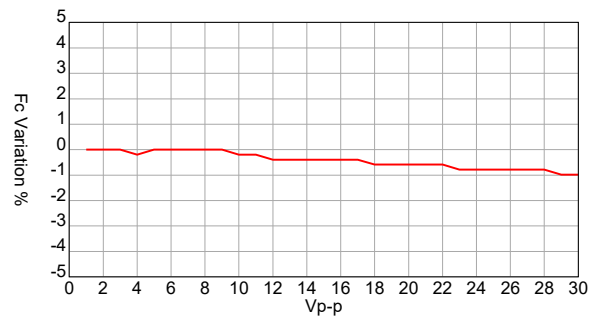


250ST160 Transmitter

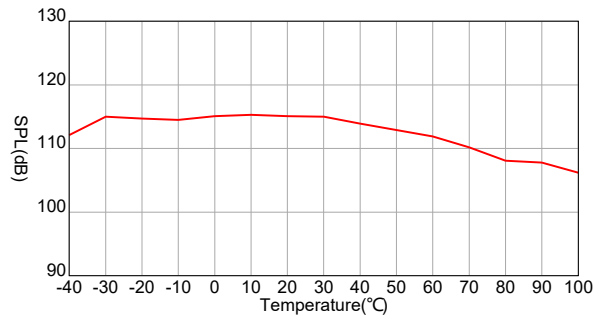
SPL Variation vs. Driving Voltage



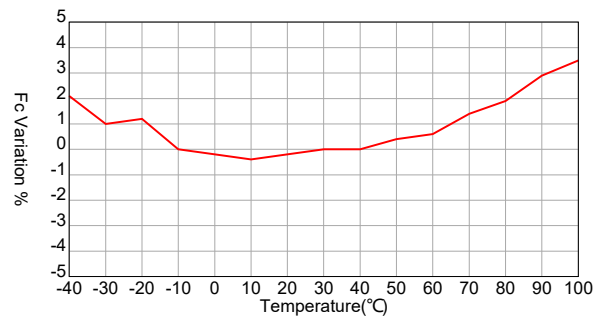
Center Frequency Shift vs. Driving Voltage



SPL Variation vs. Temperature



Center Frequency Shift vs. Temperature



S. Square Enterprise Company Limited
Pro-Wave Electronics Corporation

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