

# Piezoelectric Speaker

## KSN 1165A Bullet Tweeter Datasheet

### Applications

Specific Applications	<ul style="list-style-type: none"> <li>- SODAR (Wind Profiling)</li> <li>- LRAD Long Range Acoustic Device</li> <li>- Automotive, Aircraft, Trains, Ships</li> <li>- Radios</li> <li>- Medical Equipment</li> <li>- High Fidelity Sound Reproduction</li> <li>- Bioacoustics</li> <li>- Alarms/Alerts</li> <li>- Transducer</li> <li>- Pest Repellent (Rodents, Birds, etc.)</li> </ul>
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### KSN 1165A



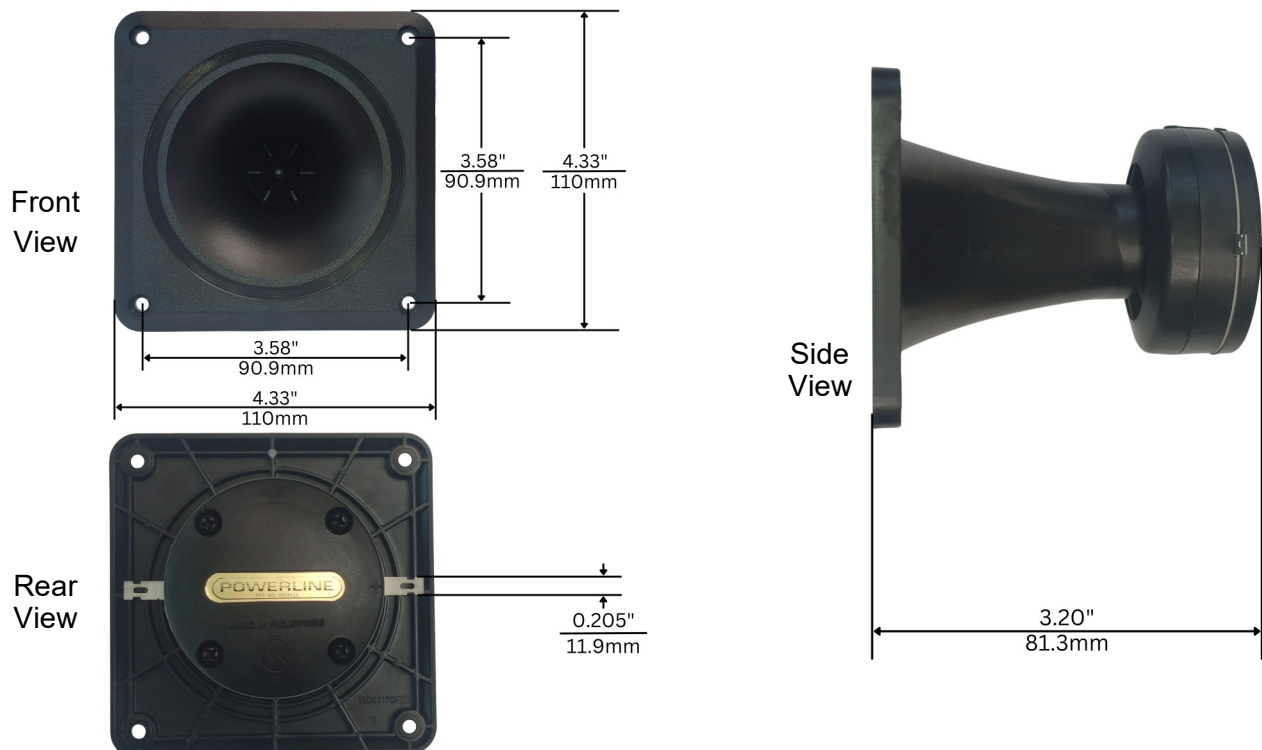
### Features

1. Low power consumption
2. High sensitivity
3. Withstand harsh environment

### Packaging Information

Specifications	Standard Packing Quantity	Gross Weight
14"x15"x19"	45 pcs	6.90 kgs

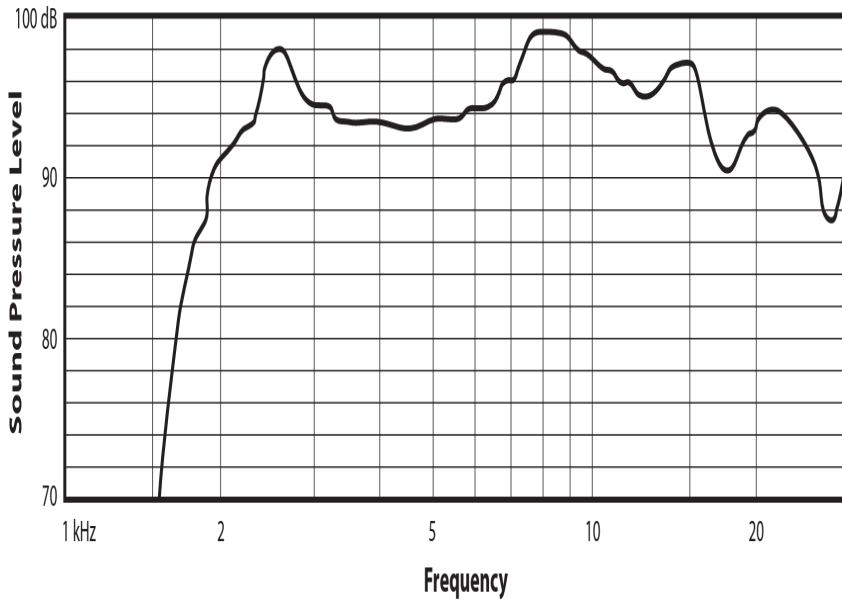
### Appearances and Dimensions



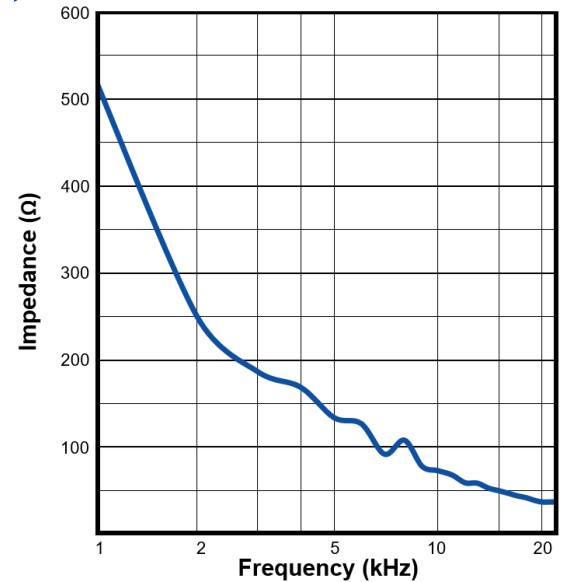
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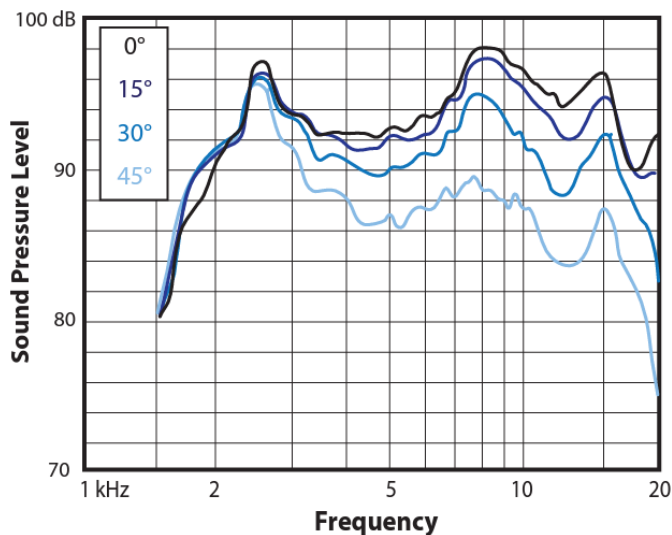
### Frequency Response



### Impedance Plot



### Off-Axis Response



### Specifications

Frequency Response	1.8kHz to 30kHz
Average Sensitivity	93 dB at 1m/1W
Maximum Power Handling Capacity	400W (EIA RS426) 8Ω system reference
Maximum Temperature	90°C (194°F)
Typical Impedance	Appears as a 0.3μF capacitor in series with a 30Ω resistor
Weight	112g

**Warning:** A 30-ohm series resistor is recommended to assure stability of extended range amplifiers and preclude hazard of burnout.

**Warning:** Do not operate at continuous high voltage. At frequencies below 20 kHz, daily sound pressure exposures in excess of one hour at 105 dB may lead to hearing impairment.