

Piezoelectric Speaker

KSN 1103A Datasheet

Applications

Specific Applications	<ul style="list-style-type: none"> - SODAR (Wind Profiling) - LRAD Long Range Acoustic Device - Automotive, Aircraft, Trains, Ships - Radios - Medical Equipment - High Fidelity Sound Reproduction - Bioacoustics - Alarms/Alerts - Transducer - Pest Repellent (Rodents, Birds, etc.)
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KSN1103A



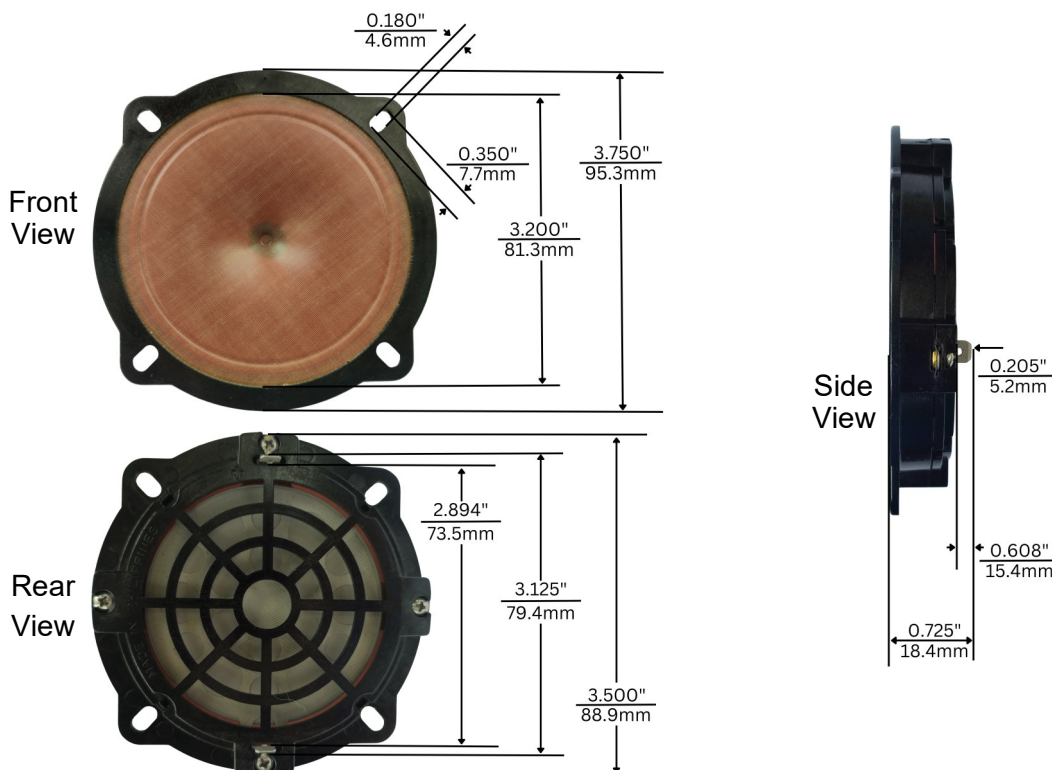
Features

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

Packaging Information

Specifications	Standard Packing Quantity	Gross Weight
14"x15"x19"	225 pcs	10.84 kgs

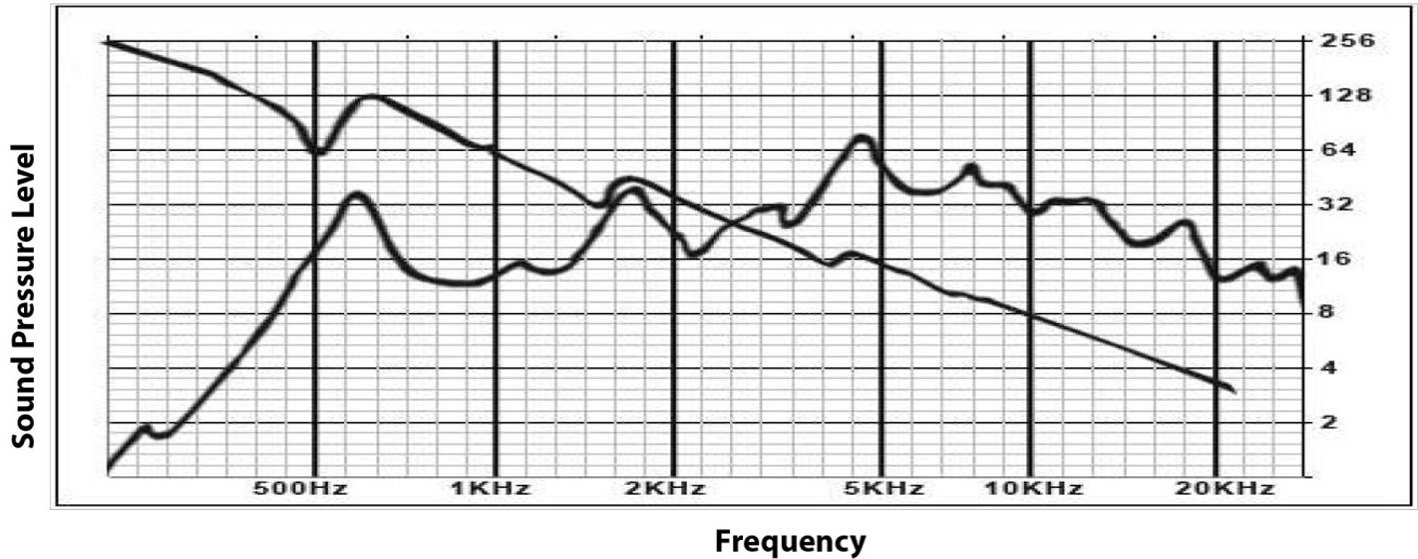
Appearances and Dimensions



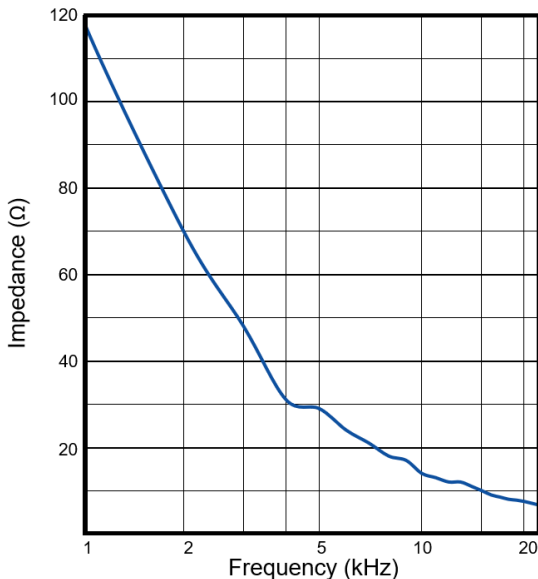
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Frequency Response



Impedance Plot



Specifications

Frequency Response	450Hz to 20kHz
Average Sensitivity	82dB at 1m/1W
Maximum Power Handling Capacity	50W (EIA RS426) 8Ω system reference
Temperature	-40°C to 105°C
Typical Impedance	Appears as a 1.50μF capacitor
Shock	1000G, 1ms
Humidity	100% RH (MIL STD 810C; Method 509.1; Salt Fog)
Weight	34g

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.