

Piezoelectric Speaker

KSN 1020A Direct Radiating Tweeter 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.) |
|-----------------------|---|

KSN1020A



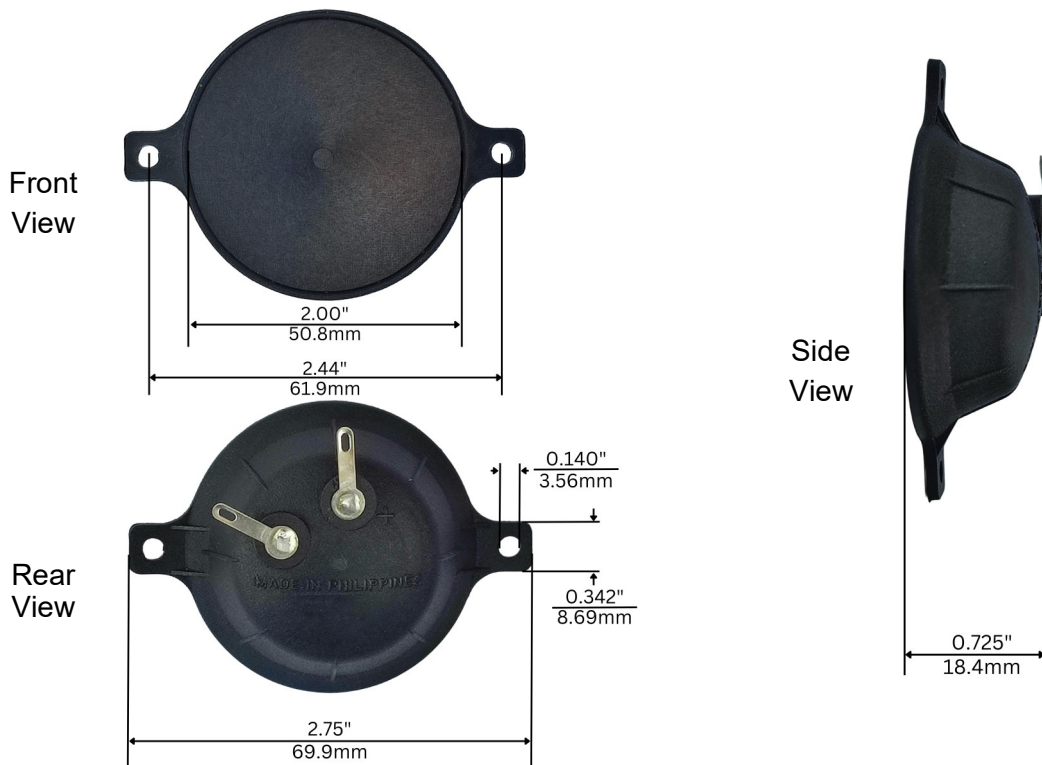
Features

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

Packaging Information

| Specifications | Standard Packing Quantity | Gross Weight |
|----------------|---------------------------|--------------|
| 14"x15"x19" | 432 pcs | 7.62 kgs |

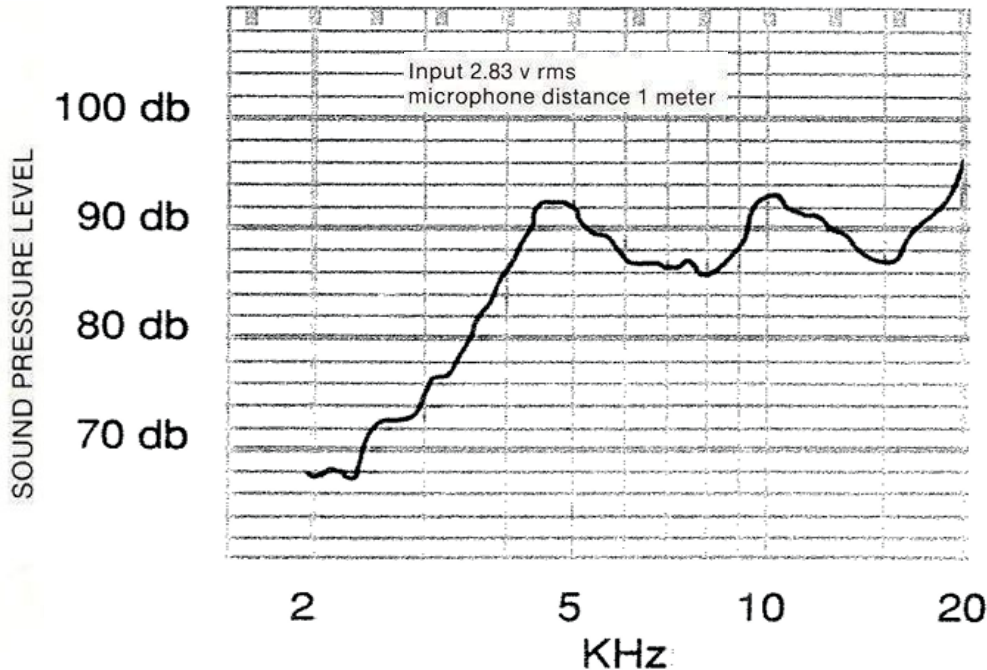
Appearances and Dimensions



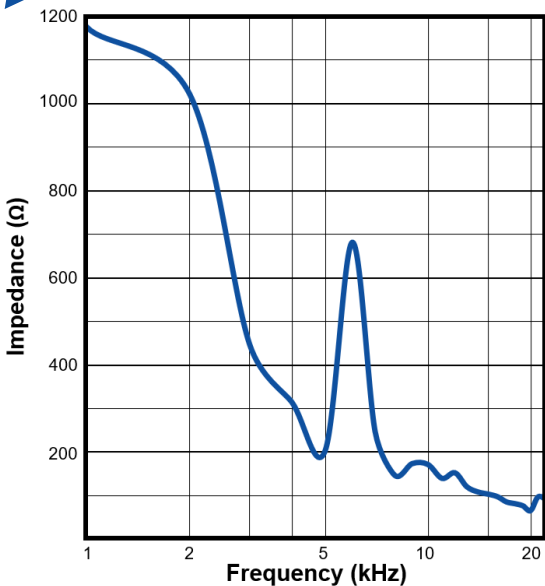
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Frequency Response



Impedance Plot



Specifications

| | |
|---------------------------------|---|
| Frequency Response | 6kHz to 50kHz |
| Average Sensitivity | 89 dB at 1m/1W |
| Maximum Power Handling Capacity | 50W (EIA RS426) 8Ω system reference |
| Maximum Temperature | 80°C |
| Typical Impedance | Appears as a 0.15μF capacitor in a 30Ω resistor |
| Weight | 9g |

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.