

This ruggedized voice-range speaker was designed for TOUGH DUTY for military communications. This speaker stands out from the rest of the field. If you need tough, this is the one.

- Die cast aluminum design
- NSN 5965-008-923665
- Built & tested; IAW MIL-DTL-12606
- Phenolic impregnated cone and dust cap
- Meta-aramid laminate, voice coil form
- Includes separate rubber gasket and steel front screen

Meeting and Exceeding MIL Specs, this speaker is designed to work in communication panels and can be surface or rear mounted. Its copolymer phenolic resins create an extremely stable and tough cone surface. A meta-aramid laminate form supports the voice coil. This rare laminate material is known to be one of the most heat resistant materials made today. A powder-coated aluminum basket is its frame. This combination of design elements can withstand the bumps and jumps of a combat tank and even the constant vibration of a C-5M Super Galaxy military transport in flight.



Primary Specifications

| | |
|--------------------------------------|--------------|
| Size, Nominal (inch & mm) | 4" (100 mm) |
| Rated Impedance (Ω) | 8 |
| Sensitivity (dB SPL) ¹ | 91 |
| Frequency Range (Hz) | 300 - 7, 000 |
| Resonant Frequency (Fs) (Hz) +/- 15% | 590 |

| ID Desc. Measurements Tolerance | | | |
|---------------------------------|------------------|-------|---------|
| OD | Outside Diam. | 4.0 | +/-0.20 |
| CD | Cutout Diam. | 3.41 | +/-0.20 |
| MG | Magnet Diam. | 2.8 | +/-0.20 |
| HD | Hole Diam. | 0.2 | +/-0.20 |
| MD | Mounting Diam. | 4.69 | +/-0.20 |
| ID | Internal Depth | 1.3 | +/-0.20 |
| FT | Flange Thickness | 0.22 | +/-0.20 |
| NW | Net Weight | 556.0 | +/-0.50 |

More Specifications

| | |
|---------------------------------|--|
| Application | Military, Outdoor , Signal / Alarm Systems, Voice Communications |
| RoHS Compliant | No |
| DC Resistance (Re) (Ω) | 7.0 |
| Program Power (W) | 2 |

Small Signal Parameters

| | |
|--------------------------------------|------|
| Nominal Impedance (Z) (Ω) | 8 |
| DC Resistance (Re) (Ω) | 7.0 |
| Voice Coil Inductance (Le) (mH) | 0 |
| Resonant Frequency (Fs) (Hz) +/- 15% | 590 |
| Total Q Factor (Qts) | 0.83 |

Material Descriptions

| | |
|----------------------------|---------------------------------------|
| Basket Type | Cast aluminum |
| Terminal Size (mm) | 0.152" x 0.025" |
| Voice Coil Diameter (mm) | 0.73" / 18.5mm |
| Voice Coil Wire Material | Copper |
| Voice Coil Former Material | Meta-aramid laminate |
| Magnet Material | Barium ferrite |
| Magnet Weight (g) | 156 |
| Cone Body Material | Cloth impregnated with phenolic resin |
| Cone Surround Material | Cloth impregnated with phenolic resin |
| Spider Material | Cloth impregnated with phenolic resin |
| Dust Cap Material | Cloth impregnated with phenolic resin |
| Net Weight (kg) | 0.56 |

