

Mini Dynamic Mask Microphone (MDMM)

Smaller Profile, Greater Flexibility

Featuring a smaller profile, the Gentex MDMM was developed to replace the existing Gentex M-169/AIC oxygen mask microphone. The MDMM design allows for more positional flexibility, and offers >90% speech intelligibility in 105 dBA and >84% in 115 dBA. Compatible with the Gentex MBU-20/P, MBU-20A/P and HA/LP Oxygen Masks, the MDMM is available as a retrofit upgrade for existing mask mics.



KEY FEATURES

Seamless Integration

The Gentex MDMM can be purchased as a retrofit upgrade, to replace the microphone in a user's existing oxygen mask.

Optimal Design

The Gentex MDMM's smaller profile and flexibility allows for more adjustment possibilities, maximizing comfort and performance for pilots and technicians.

Maximum Performance

USAF AFRL tested, the MDMM performs greater than or equal to the Gentex M-169/AIC in all technical aspects, the Gentex MDMM offers >90% speech intelligibility in 105 dBA and >84% in 115 dBA.



COMPATIBILITY

The Gentex MDMM is compatible with:

- Gentex MBU-20/P Oxygen Mask
- Gentex MBU-20A/P Oxygen Mask
- Gentex HA/LP PPB® Series Oxygen Masks

COMPLIANCE WITH PARTS OF THE FOLLOWING

- MIL-STD-810G, w Change 1 Environmental
- MIL-STD-461G Control of Electromagnetic Interference (EMI)
- DIN EN61000-4-2 Electromagnetic Compatibility (ESD)
- MIL-PRF-26542F General Specifications for Dynamic Microphones

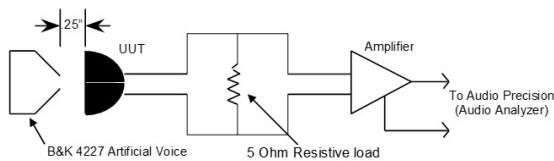
Contact Us

Gentex is committed to designing and manufacturing advanced performance capabilities for worldwide aircrew personnel. For more information on the Gentex Mini Dynamic Mask Microphone (MDMM), please contact Gentex at sales@gentexcorp.com or one of our authorized distributors through www.gentexcorp.com. Like us at facebook.com/Gentexcorp or follow us on Twitter @Gentex_Corp.

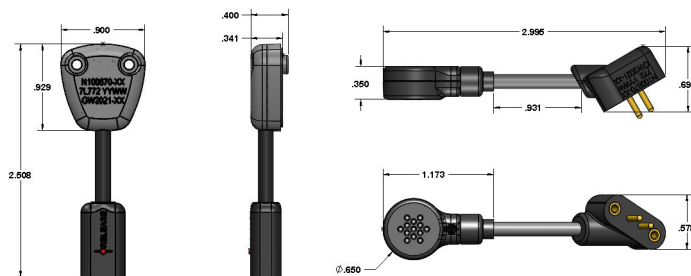
SPECIFICATIONS

- Sensitivity @1 kHz, 94 dB SPL input:** -84 dBV
- Distortion:** Less than 6 % THD at 114 dB SPL across specified frequency response
- Speech Intelligibility:** 90% at 104 dBA SPL
- Noise-Immunity Characteristic:** Tested to 200V/m MIL-461 RS103
- Rated Load Resistance:** 5 Ω
- Electrical Impedance:** 5 Ω +/- 40% at 20°C +/- 5°C at 1kHz
- Color:** Lusterless black
- Connector Type:** Integrated U-172/U type socket
- Weight:** Less than 18 g
- Environmental:** Tested per MIL-STD-810G
- Temperature:** -40°C to + 71°C Operating
- Frequency Response:** (see graphs)
- Far Field crossover:** 1500 Hz

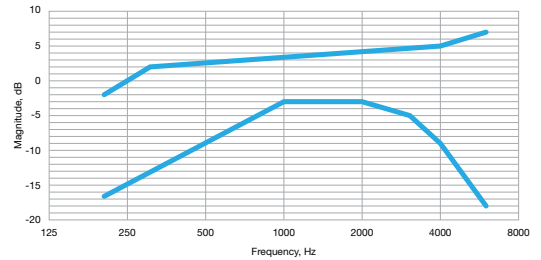
TEST CIRCUIT



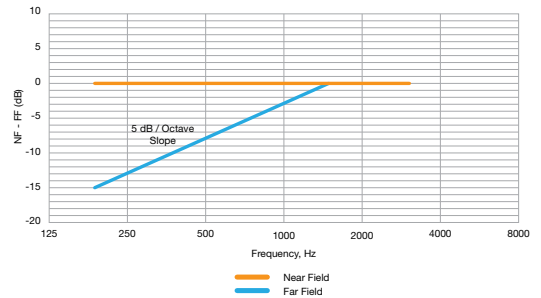
DIMENSIONS



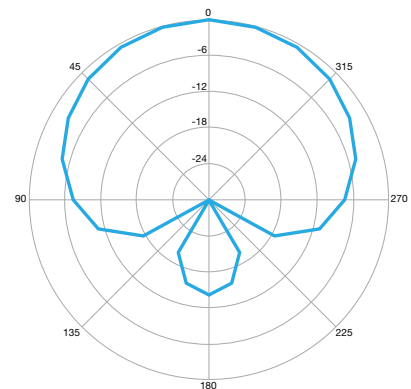
Ground Level Frequency Response Limits



Near Field / Far Field Crossover



Polar Response @ 1 KHz 94 dB SPL



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