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IN REPLY
REFER TO

DSCC-VAI

July 23, 2004

MEMORANDUM FOR MILITARY / INDUSTRY

SUBJECT: Initial draft of Amendment 1 to MIL-PRF-25670/5, Earphone Element, 1000 Ohm Ground Level, Water-Immersible, M25670/5-01; Project Number 5965-0423-000.

This subject document, which supports FSC 5965, is being amended for a technical correction and update to current practice and based on our internal assessments. The initial draft of this amendment is available for downloading from our web site at:

<http://www.dsccl.dla.mil/Programs/MilSpec/>.

The subject initial draft consists of one file of the title referenced above. Search for the document under "25670 or 25670/5" or look under the master index list. These drafts are in the PDF format and require Adobe Acrobat Reader to view and print them. If you do not have access to the Internet or otherwise are having trouble downloading these files, please contact us and we will provide you with a hard copy.

If the document is of interest to you, please submit your comments with justification (electronic format is preferred). Your comments should be received at our office within 45 days of the date of this letter. Any further coordination concerning these documents will be circulated only to organizations and firms that furnish comments or reply that they have an interest.

If you require further information, please contact Mr. Robert W. Contino Sr at: 614-692-0559, fax: 614-692-6940 or e-mail: <mailto:Robert.Contino@dla.mil>. or Mr. Howard Jenkins at: 614-692-0560, fax: 614-692-6939 or e-mail: <mailto:Howard.E.Jenkins@dla.mil>.

Sincerely,

/signed/

RICHARD L. TAYLOR
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NOTE: This draft dated July 22, 2004 prepared by DLA- CC has not been approved and is subject to modification. DO NOT USE FOR ACQUISITION PURPOSES. Project Number: 5965-0398-000

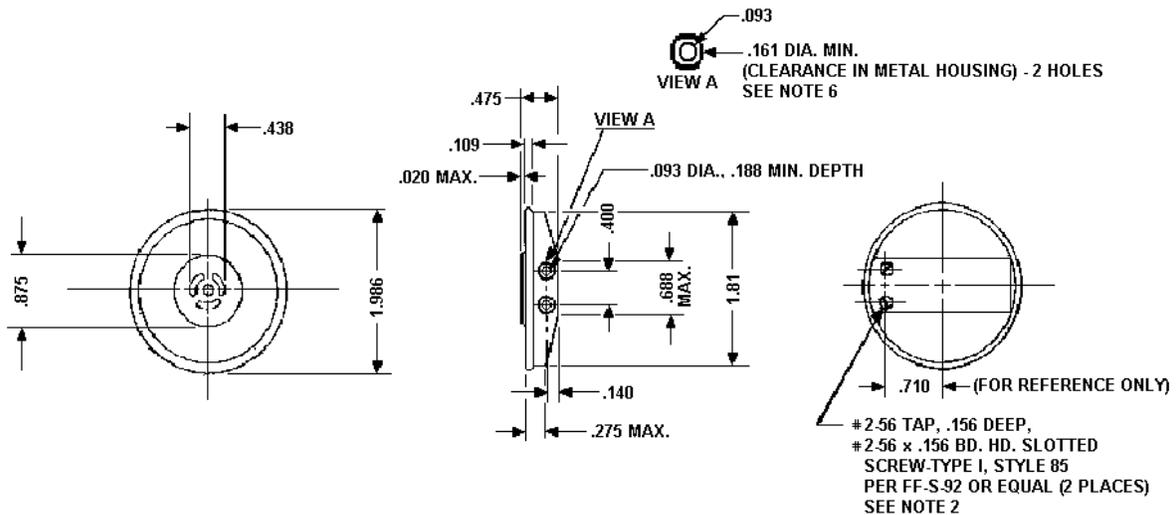
INCH-POUND
MIL-PRF-25670/5
w/AMENDMENT 1
DRAFT
SUPERSEDING
MIL-PRF-25670/5
19 July 2002

PERFORMANCE SPECIFICATION SHEET

EARPHONE ELEMENT, 1000 OHM
GROUND LEVEL, WATER-IMMERSIBLE, M25670/5-01

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-PRF-25670.



NOTES:

1. Dimensions are in inches. Unless otherwise specified, tolerance is $\pm .015$ Decimals.
2. Screws shall be recessed, of type slotted or allen (for interchangeability of spares), and shall securely hold the next-higher-assembly headset-connector pins, preventing inadvertent disconnection.
3. Use of quantity and location of breather holes are optional.
4. All outer dimensions shall ensure a firm positioning of the element in standard earcup foam filler material (depth, contour, ear-position), as well as within the standard earcup retaining-ring.
5. Cable-connection holes shall be positioned within reach of standard-length headset cabling.
6. Requirements when earphone is encased in a metal shell only.

FIGURE 1. Earphone element, M25670/5-01.

MIL-PRF-25670/5
w/AMENDMENT 1

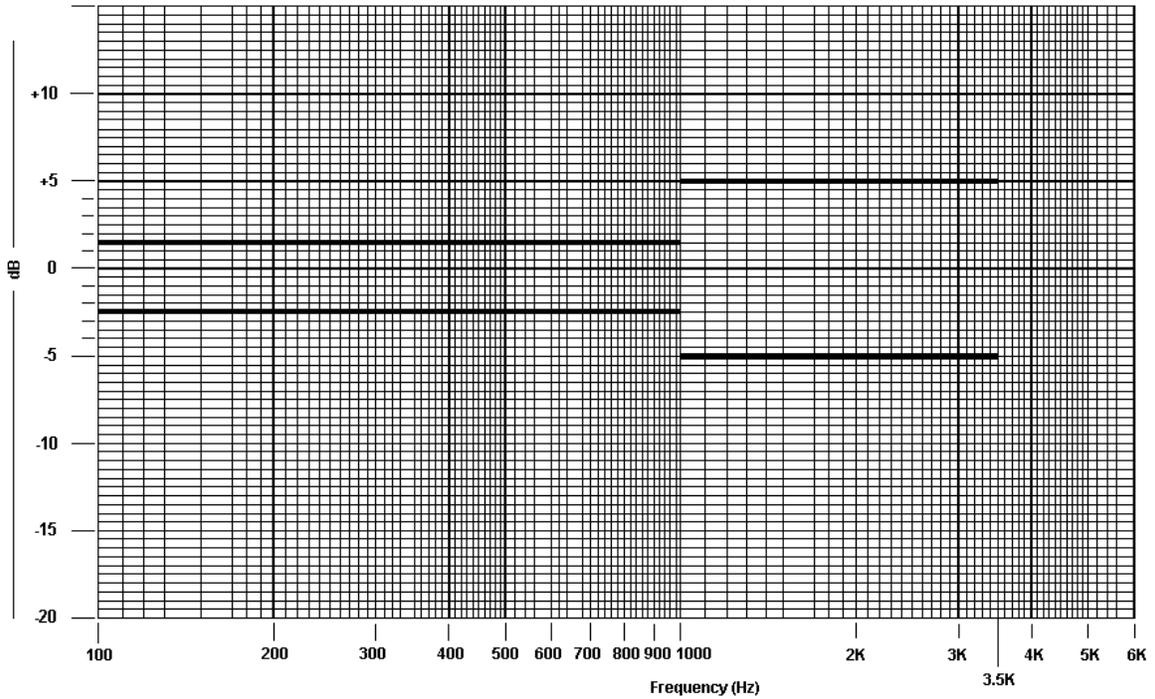


FIGURE 2. Frequency response envelope for earphone M25670/5-01.

Requirements:

- Dimensions and configuration: See figure 1.
- Weight: 1.35 ounces, maximum.
- Color: The back case shall be dull black, or an equivalent low-contrast dark color.
- Breather: If the earphone element includes a breather hole in the back case, either as a hydroscopic breather, or a pressure equalization port, it shall be no more than 0.125 inch in diameter.
- Stray magnetic field: 5° maximum, measured at a distance of 12 inches.
- Frequency response range: 100 to 3,500

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Frequency response:	Within the limits specified in figure 2.
Sensitivity:	The acoustic output of the earphone shall be not less than 105 dB above a reference level of 0.0002 dyne/cm ² when 1 milliwatt rms power at 1 KHz is applied to the earphone terminals.
Impedance:	1,000 ohms ±15%.
Harmonic distortion:	5% maximum at any frequency between 100 to 3.5 KHz.
Immersion:	The earphone element shall meet the frequency response requirements following immersion in three feet of water for 2 hours.
Marking:	Marking shall be in accordance with MIL-PRF-25670, with the addition that the part shall have the term "IMMERSIBLE" displayed on the back cover (location optional).

Intended use. Earphone element M25670/5-01 is a 1000-Ohm impedance, lightweight transducer used in Headset-Microphone Kit MK-1697()/G that is used in armored vehicle crewman helmets.

Amendment notations. The margins of this specification sheet are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Referenced documents. In addition to MIL-PRF-25670, this document references the following:
FF-S-92

CONCLUDING MATERIAL

Custodians:
Army - CR
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5965-0423-000)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://www.dodssp.daps.mil>.