

13 FEBRUARY 1979

SUPERSEDING

MIL-E-25670/1(USAF)

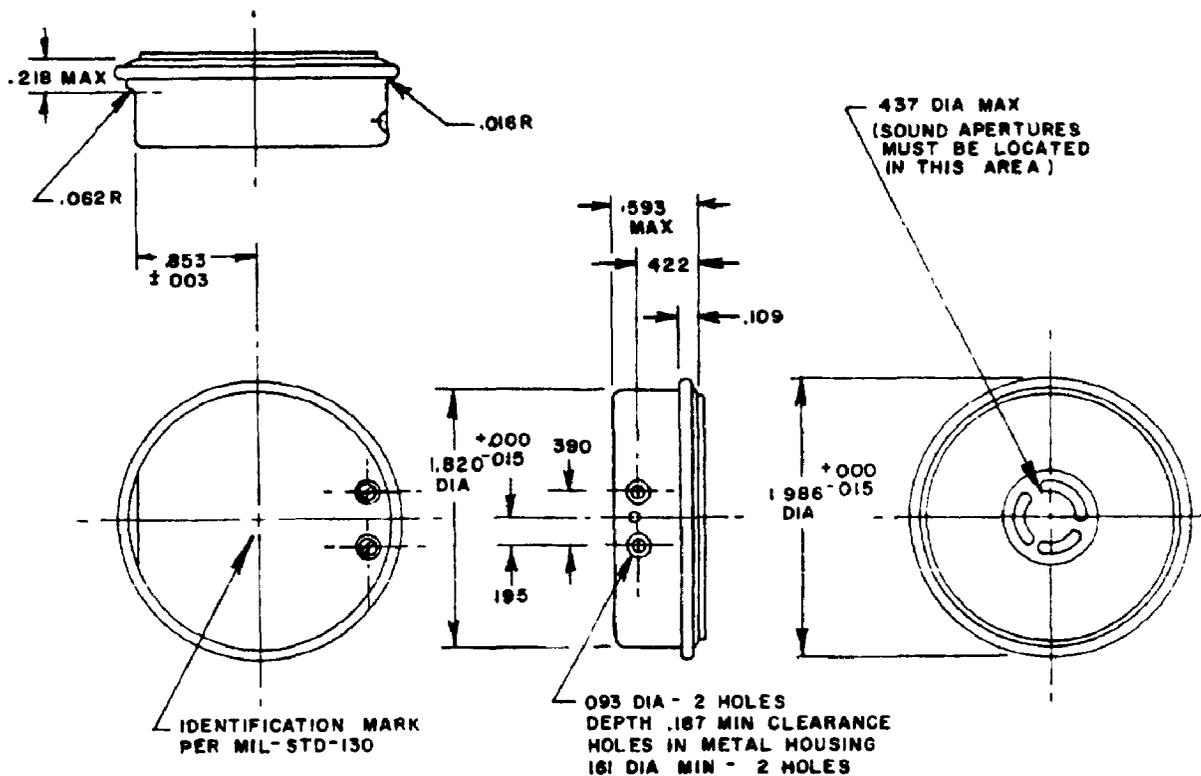
16 May 1977

MILITARY SPECIFICATION SHEET

EARPHONE ELEMENT, H-136/AIC

This specification sheet is approved for use by the Air Force Acquisition Logistics Division, Directorate of Electronic Support (AFALD/PTS), Wright-Patterson AFB, Ohio, 45433, Department of the Air Force, and is available for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the earphone element described herein shall consist of this document and the latest issue of Specification MIL-E-25670(USAF).



NOTES

- 1 Dimensions are in inches.
- 2 Unless otherwise specified, tolerance is ± 010 (.25 mm).

FIGURE 1 Earphone element H-136/AIC.

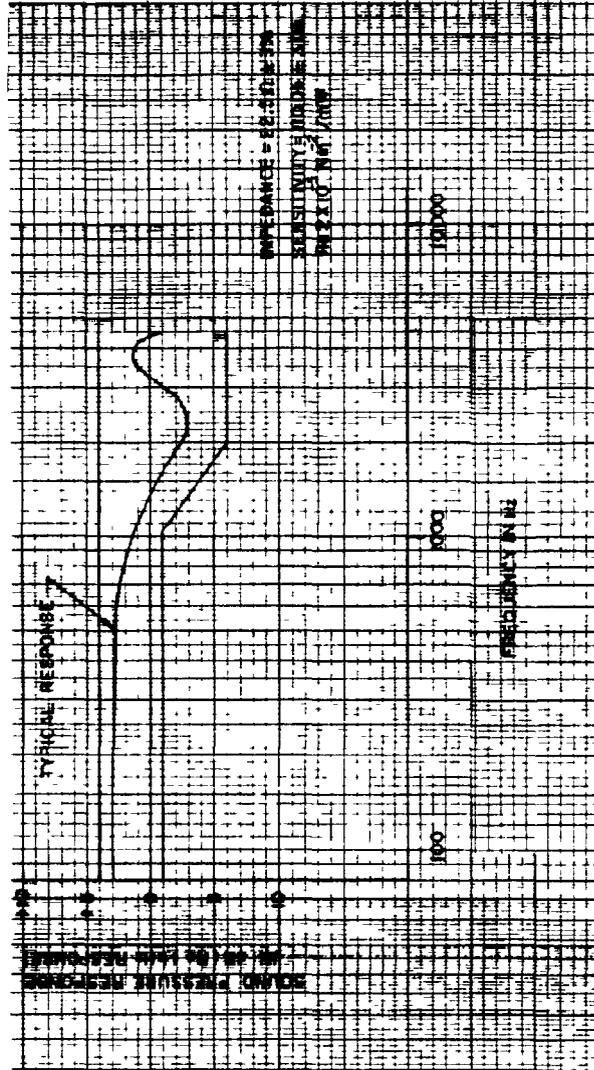


FIGURE 2 Ground level frequency response envelope for earphone element H-136/AIC.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Maximum weight: 3 ounces.

Color and finish:

Normally exposed surface - Semigloss yellow #23538 per Federal Standard 595.

Face: A coupler of rubber cellular latex shall be mounted on the face of the earphone element surrounding the sound aperture and shall be in accordance with Air Force drawing #66B857.

Nominal coil clearance 0.012 inch minimum.

Stray magnetic field: 5° maximum at 8 inches.

Frequency response range: 100 to 4500 Hz.

Frequency response

At ground level - With the limits shown in figure 2. The response above 4500 Hz should drop off as rapidly as practicable.

Sensitivity - 100 ±3 dB at 1000 Hz at ground level.

Impedance:

At 1000 Hz - 22.5 ±3 ohms.

Between 100 and 3000 Hz - Shall not differ by more than 0.5 ohm from the 1000 Hz value.

Harmonic distortion: 5% maximum between 100 and 4000 Hz.

Interchangeability The H-136/AIC earphone element is interchangeable with telephone receiver no. 10247.

Custodian:
Air Force - 85

Preparing activity:
Air Force - 85

Review activities:
Air Force - 99
DLA - ES

(Project 5965-F167-1)

User activity:
Air Force -