

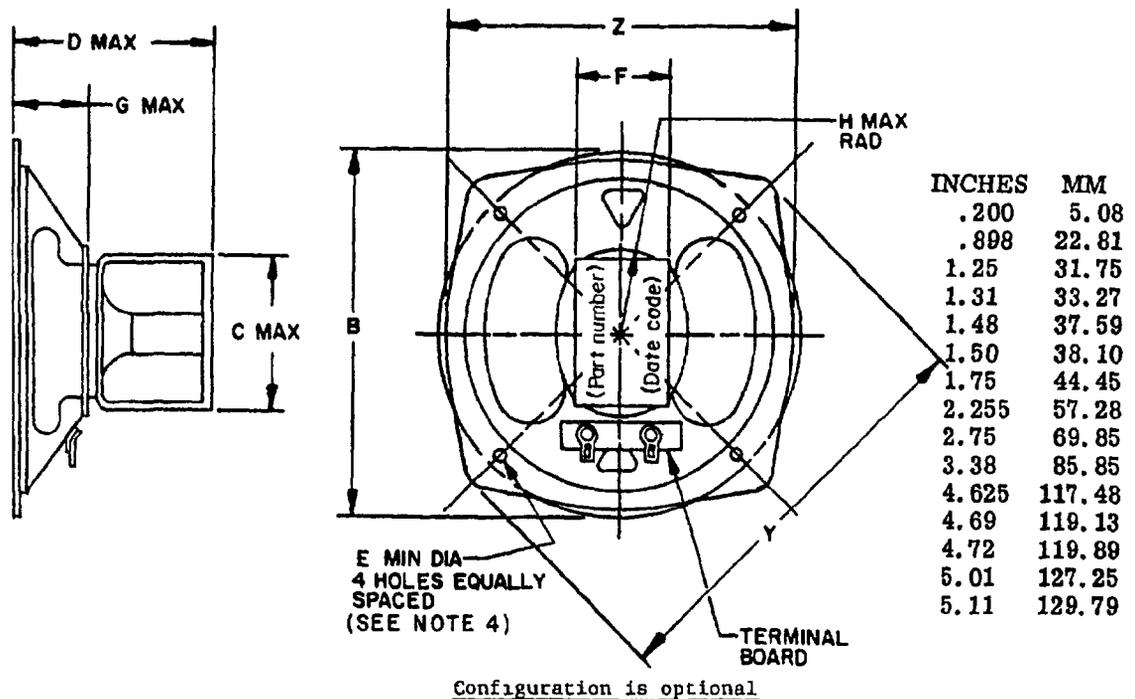
MIL-L-10911/1B
 20 October 1982
 SUPERSEDING
 MIL-L-10911/1
 10 February 1971
 MIL-L-0010911/1A(USAF)
 21 June 1974

MILITARY SPECIFICATION SHEET

LOUDSPEAKERS, PERMANENT MAGNET,
 (UNENCASED, 5-INCH DIAMETER CONE)

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

The complete requirements for acquiring the loudspeakers described herein shall consist of this specification and the latest issue of MIL-L-10911.



Part no. M 10911/1	Dimensions									Maximum weight
	Y	B ^{1/}	C(max)	Z	D(max)	E(min)	F	G(max)	H(max)	
-01 & -03	5.11	4.69	2.75	4.72	3.38	.200	1.75	1.31	1.50	2 lb
-02 & -04	5.01	4.625	1.48		2.255	.200	1.25	.898		1/2 lb

^{1/} Dimension B = Mounting diameter.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1 inch = 25.4 mm.
3. Unless otherwise specified, tolerances are $\pm .005$ (.13 mm) for three place decimals, and $\pm .02$ (.51 mm) for two place decimals.
4. Radial mounting slots may be substituted for the circular holes provided that the centerlines of the slots coincide with the centerlines of the holes and the slots include the circular holes specified.

FIGURE 1. Loudspeaker.

REQUIREMENTS:

Design and construction:

Dimensions and configuration (common to all part numbers): See figure 1.

Testing enclosure for measuring frequency response, harmonic distortion, vibration, and shock (common to all part numbers): 14 x 14 x 7-inch test cabinet.

Power capacity (common to all part numbers): 5 watts, rms.

Peak power capacity (common to all part numbers): 7 watts, rms.

Voice coil impedance:

Dash number 01: 2.72 to 3.68 ohms (3.2 ohms nominal).

Dash number 02: 8 ohms nominal.

Dash number 03 and 04: 45 ohms ± 10 percent.

Frequency response range:

Dash number 01: 150 to 7,000 Hz.

Dash number 02 and 04: 300 to 7,000 Hz.

Frequency response:

Dash number 01 and 03: 95 dB minimum with 150 to 6,000 Hz.

Dash number 02 and 04: 85 dB minimum at 1,000 Hz.

Magnet type (dash number 02 and 04): Alnico V, or equal.

Magnet weight (dash number 02 and 04): 1.5 ounces.

Solderability (dash number 02): Applicable.

Shock (specified pulse) (dash number 02): Applicable.

Marking:

Part number: See figure 1.

Date code (dash number 02): Applicable.

Revision letters are not used to denote changes due to the extensiveness of the changes.

NOTE: Impedance variations may be accomplished by either the use of voice coils wound to meet the specified impedance, or the installation of impedance matching transformers providing other performance characteristics are not adversely affected.

Custodians:

Army - CR
Navy - EC
Air Force - 85

Preparing activity:

Army - CR

(Project 5965-0176-2)

Review activities:

Army - ER
Navy - OS, SH
Air Force - 13, 11
DLA - ES

User activities:

Army - AT, AV, ME, MI, AR
Navy - AS, MC
Air Force - 17

Agent:

DLA - ES