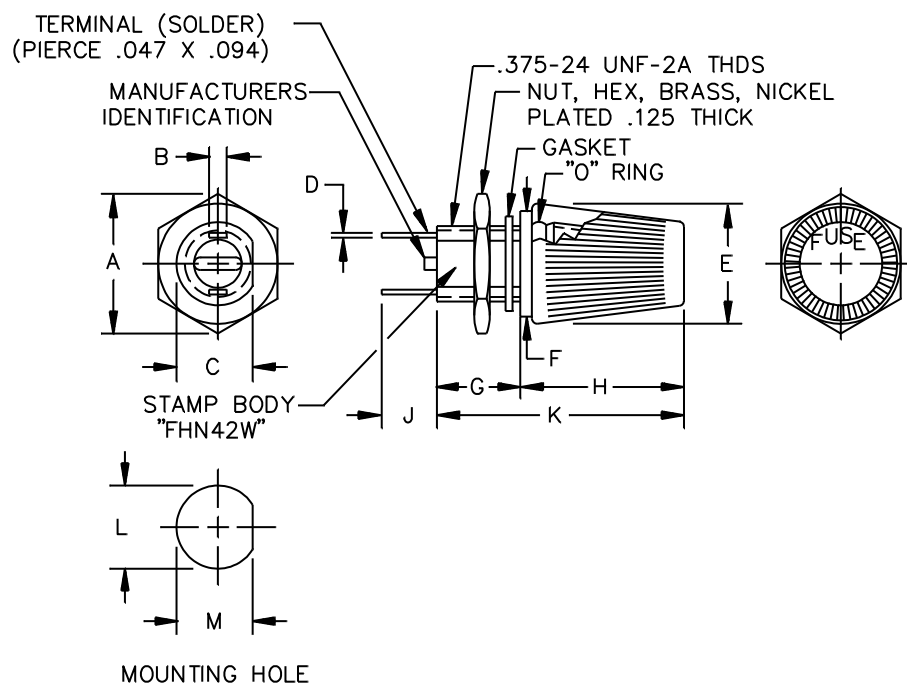


PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE, NONINDICATING,
TYPE FHN42W

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-19207](#).



Ltr	Inches		mm		Ltr	Inches		mm	
	Min	Max	Min	Max		Min	Max	Min	Max
A	.550	.585	13.97	14.86	G	.310	.320	7.87	8.13
B	.095	.105	2.41	2.67	H	.650	.660	16.51	16.76
C	.330	.340	8.38	8.64	J	.205	.215	5.21	5.46
D	.008	.012	.20	.30	K	.965	.975	24.51	24.77
E	.515	.525	13.08	13.34	L	.377	.381	9.58	9.68
F	.495	.505	12.57	12.83	M	.342	.346	8.39	8.79

FIGURE 1. Type FHN42W fuseholder.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Unless otherwise specified, tolerance for three place decimals is ± 0.015 (0.38 mm).
4. Cap and body molding material: It is suggested that type MAI-60, GDI-30F or SDG-F of American Society for Testing and Materials [ASTM-D5948](#) be considered for meeting the cap and body molding material requirements of this specification. [ASTM-D3935](#) is also suggested as guidance for cap material.
5. Gasket and O-rings: It is suggested that gaskets and O-rings that meet class 3 of [A-A-59588](#) be considered for use.
6. Contact surfaces: It is suggested that plating in accordance with [SAE-AMS-P-81728](#) be considered for use.

FIGURE 1. Type FHN42W fuseholder - continued.

REQUIREMENTS:

Interface and physical dimensions: See [figure 1](#).

Cap and body molding material: Cap and body molding materials shall be selected to enable the fuseholder to meet the performance requirements of this specification. Additional information and guidance on body molding material are specified in the notes.

Fuse accommodation:

Miniature plug type: FM01: [MIL-PRF-23419/1](#), (or equivalent). Fuse is not captive in cap at removal. The maximum height fuse the fuseholder cap will accept is .363 inches (9.22 mm) (including terminals).

Poles: One.

Rating: 5 amperes, 125 volts maximum.

Panel thickness: .125 inch (3.18 mm) maximum.

Nonindicating:

Terminals: Solder lug type.

Enclosure: Watertight.

Thermal shock temperature: +125°C, -65°C.

Contact resistance:

Initial: 0.006 ohms maximum.

After endurance test: 0.010 ohms maximum.

Contact surfaces: Contact surfaces may be plated to enable the fuseholder to meet the performance requirements of this specification. Additional information and guidance in plating is specified in the notes.

Gasket and o-rings: Gaskets and o-rings shall be used that enable the fuseholder to meet the performance requirements of this specification. Additional information and guidance on gaskets and o-rings are specified in the notes.

Marking: Current and voltage ratings must be marked on the unit packages.

MIL-PRF-19207/26J

Test fuses:

Temperature rise: FM01-5A, [MIL-PRF-23419/1](#).

Vibration and mechanical shock: FM01-5A, [MIL-PRF-23419/1](#).

Short circuit: FM01-5A, [MIL-PRF-23419/1](#).

Temperature rise: 45°C maximum.

Mechanical shock: Method I of [MIL-PRF-19207](#).

Thermal shock: [Method 107](#), [test condition B](#), [MIL-STD-202](#).

Endurance: 500 insertions and removals of cap and FM01 fuse.

Torque: Cap - 4 inch-pounds.

Mounting: 10 inch-pounds.

Salt atmosphere (corrosion): [Method 101](#), [test condition B](#), [MIL-STD-202](#).

Part or Identifying Number (PIN): FHN42W.

Referenced documents. In addition to [MIL-PRF-19207](#), this document references the following:

[MIL-STD-202](#) [ASTM-D3935](#) [ASTM-D5948](#) [MIL-PRF-23419/1](#) [A-A-59588](#) [SAE-AMS-P-81728](#).

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the last previous issue.

Custodians:

Army - CR
Navy - SH
Air Force - 85
DLA - CC

Preparing Activity:

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Review Activities:

Army - AV, CE, CR4, MI
Navy - AS, CG, MC
Air Force - 19

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