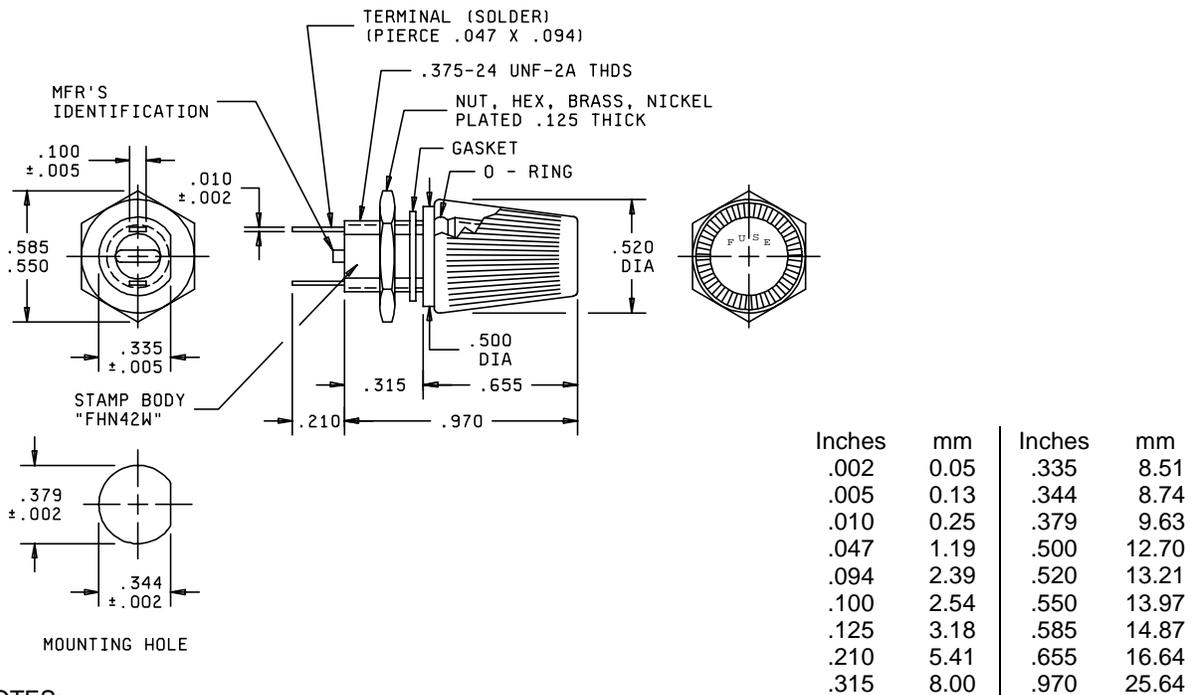


PERFORMANCE SPECIFICATION SHEET
FUSEHOLDERS, EXTRACTOR POST TYPE, NONINDICATING
TYPE FHN42W

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 and MIL-PRF-19207.



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.

MIL-PRF-19207/26G

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: MIL-PRF-23419, FM01 (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.

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.

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Torque: Cap - 4 inch-pounds.

Mounting: 10 inch-pounds.

Salt spray (corrosion): Method 101, test condition B, MIL-STD-202.

Part or Identifying Number (PIN): FHN42W.

Marginal notations are not used in this version to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:

Army - CR

Navy - SH

Air Force - 11

DLA - CC

Preparing activity:

DLA - CC

(Project 5920-0668)

Review activities:

Army - AR, AV, CE, CR4, MI

Navy - AS, CG, MC

Air Force - 19