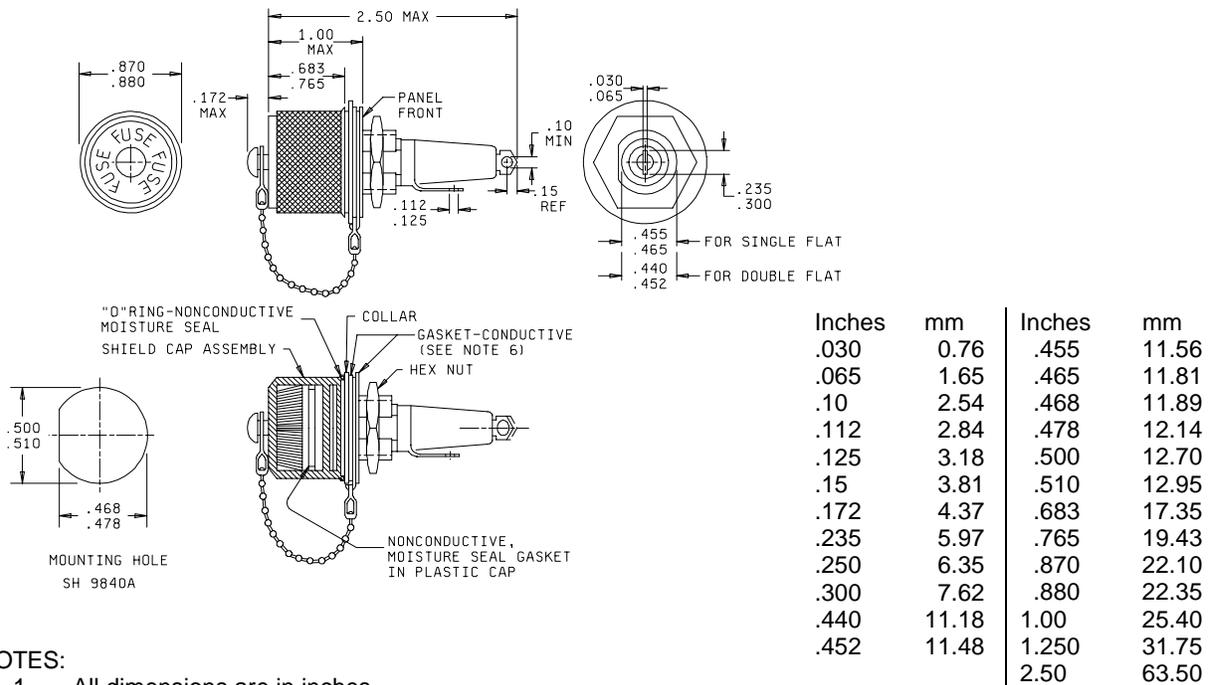


PERFORMANCE SPECIFICATION SHEET

FUSEHOLDERS, EXTRACTOR POST TYPE, NONINDICATING, R. F. SHIELDED
TYPES FHN55W

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. All dimensions are in inches.
2. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
3. Unless otherwise specified, tolerances for two place decimals shall be $\pm .02$ inch (0.5 mm) for two place decimals and $\pm .005$ inch (0.13 mm) for three place decimals.
4. Collar shall be keyed to non-turn flat (single or double) on fuseholder body.
5. Terminal configurations optional within overall dimensions.
6. One or two conductive gaskets as required for shield continuity.
7. 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.
8. Gaskets and o-rings, nonconductive: It is suggested that gaskets and o-rings that meet class 3 of A-A-59588 be considered for use.
- 9.. Gaskets and o-rings, conductive: Knitted nickel copper aluminum alloy impregnated with silicon rubber (A-A-59588) has been used successfully, in the past, to meet the performance requirements of this specification.

FIGURE 1. Type FHN55W fuseholder.

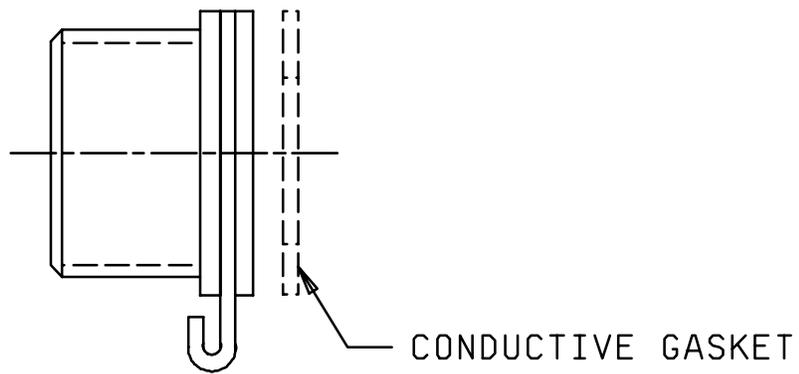


FIGURE 2. Collar and chain retainer alternate assembly.

MIL-PRF-19207/36C

REQUIREMENTS:

Interface and physical dimensions: See figures 1 and 2.

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.

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.

Shield cap, collar, and associated hardware: Brass, with lusterless black finish on exterior, nonconductive surfaces, (collar and chain retainer ring excluded).

Fuse accommodation:

Ferrule type:

Size: .250 Inch (6.35 mm), 1.250 inch (31.75 mm) length.

Style: MIL-PRF-15160 - F02 and F03 and MIL-PRF-23419 - FM09.

(or equivalent size and style)

Poles: One.

Rating: 30 amperes, 250 volts maximum.

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

Nonindicating:

Lamp series resistor: None.

Terminals: Solder lug type.

Enclosure: Watertight, with shield cap secured.

Test fuses:

Temperature rise: F03A125V30A of MIL-PRF-15160/3.

Short circuit: F03A125V30A of MIL-PRF-15160/3.

Mechanical shock: Method II of MIL-PRF-19207.

Terminal strength: 5 pounds.

Torque: Mounting - 20 inch-pounds.

Salt spray (corrosion): Test condition B.

Shield continuity: With fuseholder mounted normally and shield cap in place, electrical resistance from shield cap to mounting panel shall not exceed 0.5 ohms.

Part or Identifying Number (PIN): FHN55W.

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:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5920-0669)