

NOTE: The document identifier and heading has been changed on this page to reflect that this is a performance specification. There are no other changes to this document. The document identifier on subsequent pages has not been changed, but will be changed the next time this document is revised.

INCH-POUND

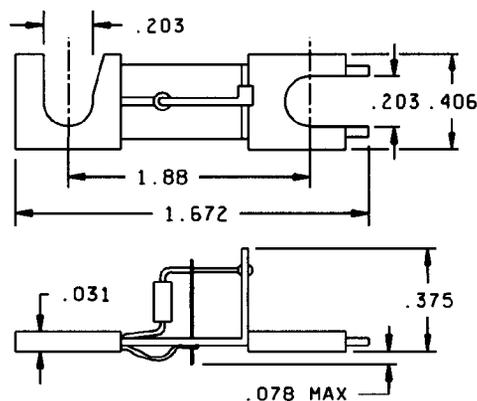
MIL-PRF-15160/51A  
 29 October 1990  
 SUPERSEDING  
 MIL-F-15160F/51  
 1 February 1961

**PERFORMANCE SPECIFICATION SHEET**

**FUSES: INSTRUMENT, POWER, AND TELEPHONE  
 (NONINDICATING), STYLE F51**

*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 the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-F-15160.



INCHES	MM
0.031	0.79
0.078	1.98
0.203	5.16
0.375	9.53
0.406	10.31
1.188	30.17
1.672	42.47

ALL TOLERANCES  $\pm .016$

**NOTES:**

1. Dimensions are in inches.
2. Metric equivalents are given for information purposes only and are based on 1 inch = 25.4 mm.

FIGURE 1. Style F51, characteristic A.

AMSC N/A

FSC 5920

**DISTRIBUTION STATEMENT A.** Approved for public release; distribution is unlimited.

**REQUIREMENTS:**

1. *Design and construction.* See figure 1.

*Physical:*

## Material:

- Body – Plastic sheet
- Terminal – Copper
- Finish – Natural or tin plated
- Alarm springs – May be of nickel silver
- Terminal strength – MIL-STD-202, method 211, 2 pound pull.

*Electrical:*

- Current rating – See table II
- Voltage rating – See table II
- Current carrying capacity – 100 percent normal rating
- Characteristic – See table II
- Overload interrupt – See table I
- Short circuit interrupt – 20 amperes at 90 volts dc.

2. *Type designation:* Type designation shall be as specified in table I.

3. *Qualification:* Required.

TABLE I. *Overload interrupt.*

Fuse current rating	Percent nominal rating	Normal blowing time
.50	150	0–1.5 min.
1.33	150	0–1.5 min.
2.00	150	0–3 min.

TABLE II. *Type designation.*

Style	Characteristic	Voltage	Current rating
F51	A	90	1/2A
F51	A	90	1 1/3A
F51	A	90	2A

**QUALITY ASSURANCE PROVISIONS:**

*Qualification inspections.* The number of qualification samples required shall be:

- a. 24 samples maximum current rating of each voltage and design
- b. 24 samples minimum current rating of each voltage and design.

**PACKAGING:**

*Unit packaging.* The standard unit pack shall be 5 pieces.

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

**Custodians:**

Army – ER  
Navy – SH  
Air Force – 85

**Preparing activity:**

Navy – SH  
(Project 5920-0447-13)

**Review activities:**

Army – MI, AR  
Navy – AS, OS, YD,  
Air Force – 17, 99  
DSA – ES

**User activities:**

Army – ME, AT  
Navy – MC, CG  
Air Force - 19