

INCH-POUND

MIL-PRF-15160/50D

15 November 2011

SUPERSEDING

MIL-PRF-15160/50C

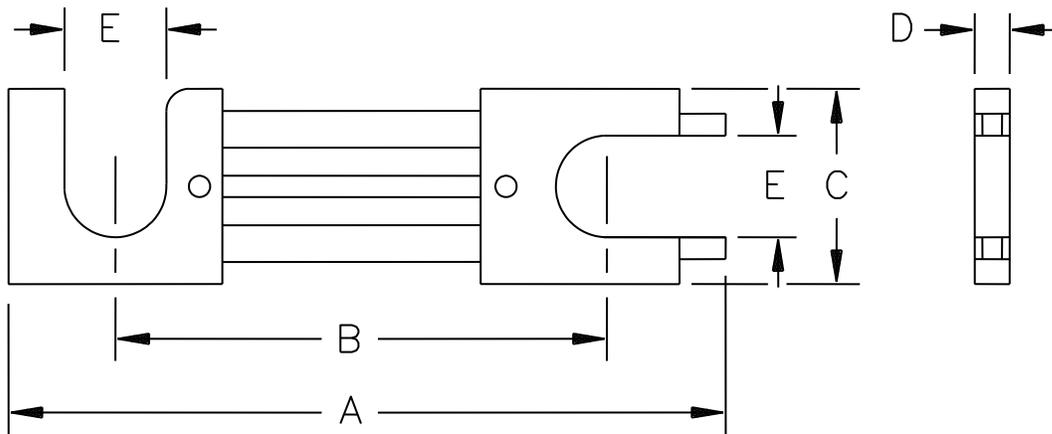
17 August 2006

PERFORMANCE SPECIFICATION SHEET

FUSES: INSTRUMENT, POWER, AND TELEPHONE
(NONINDICATING), STYLE F50

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-15160](#).



Ltr	Inches		mm	
	Min	Max	Min	Max
A	1.390	1.422	35.31	36.12
B	.921	.953	23.39	24.21
C	.390	.422	9.91	10.72
D	.015	.047	0.38	1.19
E	.187	.219	4.75	5.56

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.

FIGURE 1. Style F50, characteristic A.

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REQUIREMENTS:

Interface and physical dimensions: See figure 1.

Body: Plastic sheet.

Terminal: Copper.

Finish: Natural or tin plated.

Terminal strength: [Method 211 of MIL-STD-202](#), test condition E, 2 inch-pound torque between ferrules and fuse body.

Electrical:

Current rating: See table I.

Voltage rating: See table I.

Current carrying capacity: 100 percent normal rating.

Characteristic: See table I.

Overload interrupt:

Characteristic A within 1 hour at 135 percent of rated current.

Characteristic A within 60 seconds at 200 percent of rated current.

Short circuit interrupt 20 amperes at 90 volts dc.

Part or Identifying Number (PIN): The PIN shall be constructed from table I (e.g., F50A90V1/2A).

TABLE I. Part or Identifying Number.

Style	Characteristic	Maximum voltage	Current rating
F50	A	90 V	1/2 A
F50	A	90 V	1 1/3 A
F50	A	90 V	2 A

VERIFICATION:

Qualification inspection is not applicable for this specification sheet and is replaced by acceptance testing which shall consist of group A and group B inspection of [MIL-PRF-15160](#).

Referenced documents. In addition to [MIL-PRF-15160](#), this document references the following:

[MIL-STD-202](#)

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:

DLA - CC

(Project 5920-2012-002)

Review activities:

Army - AT, CR4, MI
Navy - AS, CG, MC, OS, YD
Air Force - 19, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil>.