

INCH-POUND

MIL-PRF-15160/15H
w/AMENDMENT 1
30 June 2015

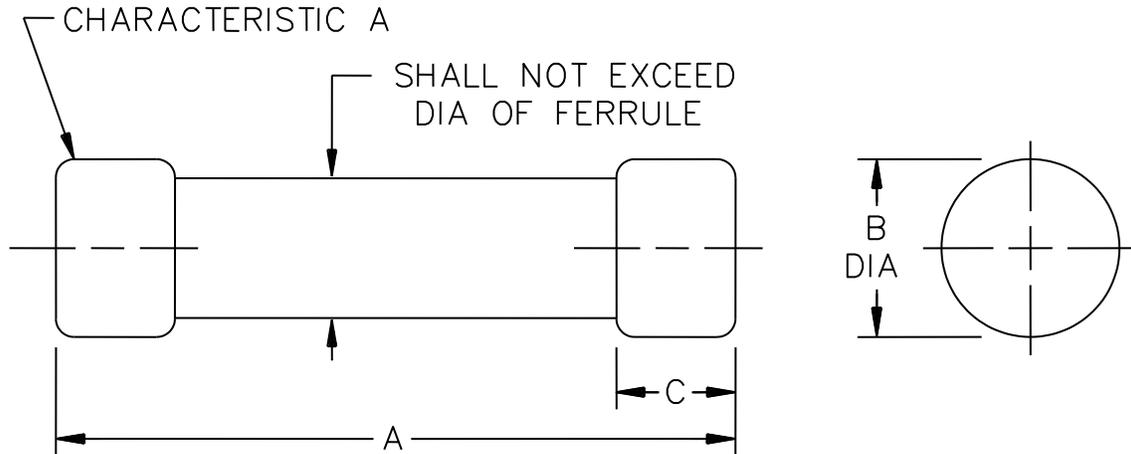
SUPERSEDING
MIL-PRF-15160/15H
3 October 2013

PERFORMANCE SPECIFICATION SHEET

FUSES, INSTRUMENT, POWER, AND TELEPHONE
(NONINDICATING), STYLE F15

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	1.969	2.031	50.01	51.59
B	.554	.570	14.07	14.48
C	.500	---	12.70	---

NOTES:

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

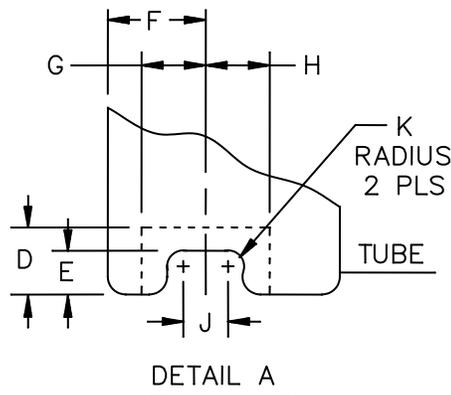
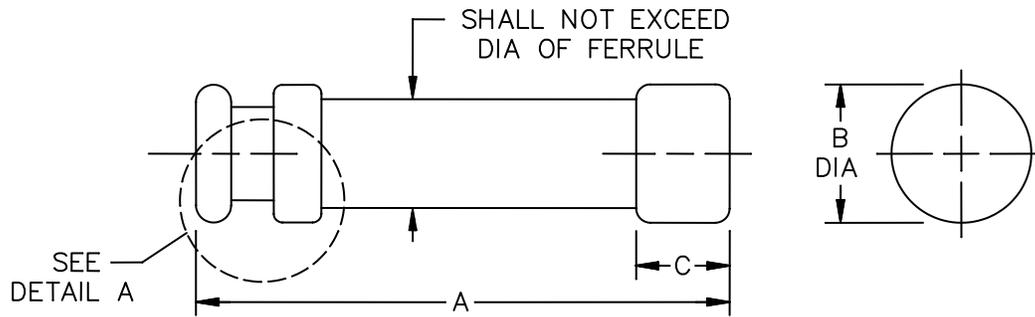
FIGURE 1. Style F15, characteristic A.

AMSC N/A

FSC 5920



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DETAIL REJECTION GROOVE

Ltr	Inches		mm	
	Min	Max	Min	Max
A	1.969	2.031	50.01	51.59
B	.554	.570	14.07	14.48
C	.500	---	12.70	---
D	---	.130	---	3.30
E	.085	---	2.16	---
F	.140	.164	3.56	4.17
G	---	.115	---	2.92
H	---	.150	---	3.81
J	.070	---	1.78	---
K	.026	.036	0.66	0.91

NOTES:

1. Dimensions are in inches.
2. The diameter of the rejection ferrule shall be within zero and minus .050 inch of the diameter of the main contact area.
3. The end of the ferrule shall be flat with not greater than .015 inch concavity.

FIGURE 2. Style F15, characteristic BR.

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REQUIREMENTS:

Interface and physical dimensions: See figures 1 and 2.

Case: Fiber or alternate material.

(Alternate to fiber material (tube) shall have an average burst strength of 2,100 pounds per square inch with a value of not less than 1,450 pounds per square inch).

Ferrule: Brass.

Finish: Nickel, bright alloy, or bright dipped, silver plated when specified.

Terminal strength: Method 211 of MIL-STD-202, test condition E, 5 inch-pound torque between ferrules and fuse body.

Electrical:

Electrical requirements shall be as specified in table I.

Shock: Method 207 of MIL-STD-202, HI shock.

Vibration: Method 204 of MIL-STD-202, test condition A (except 5g peak).

TABLE I Electrical requirements.

Characteristic	A	BR
Voltage rating	250 V ac 250 V dc 450 V rms ac	250 V ac 250 V dc N/A
Overload test <u>1/</u> 135% 500%	0 – 1 hour N/A	0 – 1 hour 10 – 25 seconds
Short circuit test at 250 V dc at 250 V ac	10,000A N/A	10,000A 200,000A (20% PF max.)
at 450 V rms ac <u>2/</u> 0 – 20A fuse 25 – 30A fuse	(50% PF max.) <u>3/</u> 8,000A 1,500A	N/A N/A

1/ Overload is shown as a percentage of the current rating of the fuse.

2/ Characteristic A fuses may be used for 450 V rms ac.

3/ Power factor (PF).

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Part or Identifying Number (PIN): The PIN shall be constructed from table II (e.g., F15A250V1A, or F15BR250V2 1/2A).

TABLE II Part or Identifying Number. 1/

Style	Characteristic	Maximum voltage	Current rating
F15	A	250 V	1A
F15	A	250 V	2A <u>3/</u>
F15	A	250 V	3A
F15	A	250 V	5A
F15	A	250 V	6A
F15	A	250 V	10A
F15	A	250 V	15A
F15	A	250 V	20A
F15	A	250 V	25A
F15	A	250 V	30A
F15	BR <u>2/</u>	250 V	1A <u>4/</u>
F15	BR <u>2/</u>	250 V	2A <u>4/</u>
F15	BR <u>2/</u>	250 V	3 2/10A <u>3/</u>
F15	BR <u>2/</u>	250 V	4A <u>3/</u>
F15	BR <u>2/</u>	250 V	5A
F15	BR <u>2/</u>	250 V	6 1/4A <u>4/</u>
F15	BR <u>2/</u>	250 V	8A
F15	BR <u>2/</u>	250 V	10A
F15	BR <u>2/</u>	250 V	12A
F15	BR <u>2/</u>	250 V	15A
F15	BR <u>2/</u>	250 V	20A
F15	BR <u>2/</u>	250 V	25A
F15	BR <u>2/</u>	250 V	30A

- 1/ For silver plated terminals, the designator "S" is added after the current rating.
- 2/ The characteristic B fuse has been discontinued. The characteristic BR fuse may be used to replace the old characteristic B fuse of the same current rating.
- 3/ PIN F15A250V2A, PIN F15BR250V 3 2/10A and PIN F15BR250V4A are no longer manufactured and are superseded by PIN F15A250V2AS, PIN F15BR250V 3 2/10AS and PIN F15BR250V4AS, respectively, which have silver plated terminals.
- 4/ Silver plated terminals, with the "S" designator, are no longer manufactured for this current rating.

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VERIFICATION:

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.

NOTE: If labels are used, five additional samples of any rating are required.

Once the existing stock of superseded PINs F15A250V2A, F15BR250V3 2/10A and F15BR250V4A has been exhausted, then their respective, superseding PINs F15A250V2AS, F15BR250V3 2/10AS and F15BR250V4AS shall be used.

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 5920-2015-034)

Review activities:

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

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