

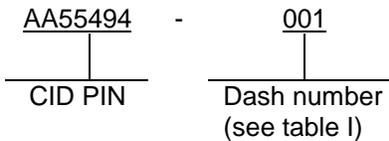
[INCH-POUND]  
A-A-55494B  
May 18, 2001  
SUPERSEDING  
A-A-55494A  
October 3, 1997

## COMMERCIAL ITEM DESCRIPTION

### FUSE CARTRIDGE, SEMICONDUCTOR TYPE, 250 VOLTS

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. **SCOPE.** This CID covers the general requirements for 250 volt semiconductor type fuse cartridges. Fuse cartridges covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).

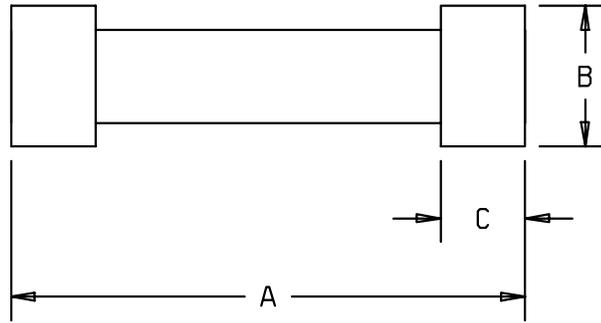


### 3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Fuse cartridges supplied to this CID shall be as specified herein (see figure 1).
- 3.2 Ampere rating. The ampere rating shall be as specified in table I.
- 3.3 Voltage rating. The voltage rating shall be 250 V ac maximum.
- 3.4 Short circuit interrupt rating. The short circuit interrupt shall be 200,000 amperes root mean square (RMS) symmetrical.
- 3.5 Maximum current clearing I<sup>2</sup>t. The maximum current clearing I<sup>2</sup>t shall be as specified in table I.
- 3.6 Marking. Fuse cartridges supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

Beneficial comments recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be addressed to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43213-1199, or telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.

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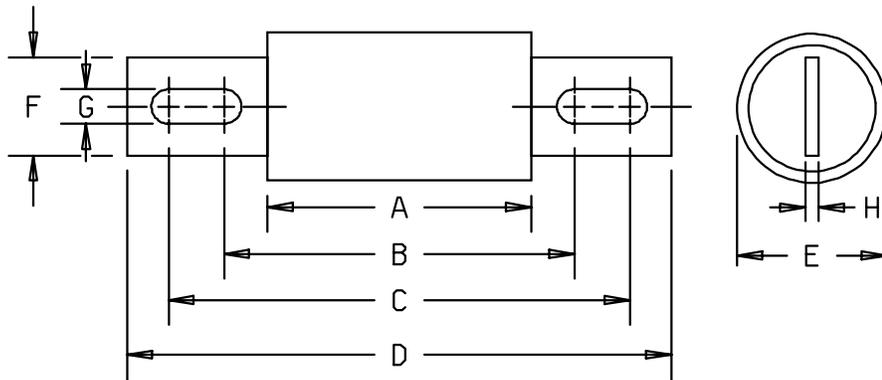
AA55494-	Dimensions		
	A	B	C
001 through 006	2.00 (50.80)	.563 (14.30)	<u>.505</u> 12.83 .432 (10.98)

Configuration I

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is  $\pm 0.005$  inch (0.13 mm).

FIGURE 1. Configuration and dimensions.



AA55494-	Dimensions							
	A	B	C	D	E	F	G	H
007 through 011	1.631 (41.43)	2.261 (57.18)	2.600 (66.03)	3.188 (80.98)	.813 (20.65)	.755 (19.18)	.343 (8.72)	.180 (3.19)
	1.557 (39.56)		2.495 (63.37)			.621 (15.77)		
012 through 017	1.631 (41.43)	2.333 (59.26)	2.437 (61.90)	3.126 (79.39)	1.219 (30.97)	1.000 (25.41)	.349 (8.87)	1.88 (4.78)
	1.589 (4.037)	2.184 (55.47)				.750 (19.04)		
						.307 (7.80)		
018 through 023	1.594 (40.49)	2.41 (61.25)	2.942 (74.73)	3.843 (97.62)	1.5 (38.10)	1.0 (25.40)	.406 (10.31)	.251 (6.38)
		2.247 (57.07)	2.900 (73.67)					

Configuration II

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is  $\pm 0.005$  inch (0.13 mm).

FIGURE 2. Configuration and dimensions.

TABLE I. Electrical characteristics.

AA55494-	Ampere rating	$I^2t$ (A <sup>2</sup> s)	AA55494-	Ampere rating	$I^2t$ (A <sup>2</sup> s)
001	5	100	013	80	3,000
002	10	200	014	100	5,000
003	15	250	015	125	7,500
004	20	300	016	150	12,000
005	25	350	017	200	20,000
006	30	390	018	250	38,000
007	35	460	019	300	55,000
008	40	560	020	350	73,000
009	45	720	021	400	100,000
010	50	880	022	500	190,000
011	60	1,300	023	600	260,000
012	70	2,200			

4. **REGULATORY REQUIREMENTS.** The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. **PRODUCT CONFORMANCE PROVISIONS**

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 2 years.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 2 years.

6. **PACKAGING.** Preservation, packing, and marking shall be as specified in the contract or order.

7. **NOTES.**

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these fuse cartridges to DSCC under the Military Parts control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.4 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
067U2	Den Mar Transit Industrial Fuses 10488 S. W. 211 Street Miami, FL 33189-3000 (305) 235-1000
12092	Carbone Lorraine, Incorporated 14 Eastmans Road Parsippany, NJ 07054-3703 Phone number: (973) 503-0600 Facsimile number: (973) 503-0335 E-mail: 104471.13@compuserve.com Uniform Resource Locator (URL): <a href="http://www.carbonelorraine.com">www.carbonelorraine.com</a>
71400	Cooper Bussmann, Incorporated P. O. Box 14460 St. Louis, MO 63178-4460 Phone number: (636) 394-2877 Facsimile number: (800) 544-2570 E-mail: <a href="mailto:fusebox@buss.com">fusebox@buss.com</a> URL: <a href="http://www.bussmann.com">www.bussmann.com</a>
75915	Littelfuse Incorporated 800 E. Northwest Highway Des Plaines, IL 60016-3096 Phone number: (847) 824-1188 Facsimile number: (847) 391-0894 E-mail: <a href="mailto:electronics@littelfuse.com">electronics@littelfuse.com</a> URL: <a href="http://www.littelfuse.com">www.littelfuse.com</a>

7.5 Part number (P/N) supersession data. This CID supersedes the following manufacturers' P/N's as shown. This information is being provided to assist in reducing proliferation in the government inventory system.

CID dash number (see table I) AA55494-	Vendor Commercial P/N <sup>1/</sup>			
	CAGE 067U2	CAGE 12092	CAGE 71400	CAGE 75915
001	UFR25X005	A025R005	FWX 5A14F	L25S5
002	UFR25X010	A025R010	FWX 10A14F	L25S10
003	UFR25X015	A025R015	FWX 15A14F	L25S15
004	UFR25X020	A025R020	FWX 20A14F	L25S20
005	UFR25X025	A025R025	FWX 25A14F	L25S25
006	UFR25X030	A025R030	FWX 30A14F	L25S30
007	UFR25X035	A025R035	FWX 35A	L25S35
008	UFR25X040	A025R040	FWX 40A	L25S40
009	UFR25X045	A025R045	FWX 45A	L25S45
010	UFR25X050	A025R050	FWX 50A	L25S50
011	UFR25X060	A025R060	FWX 60A	L25S60
012	UFR25X070	A025R070	FWX 70A	L25S70
013	UFR25X080	A025R080	FWX 80A	L25S80
014	UFR25X100	A025R100	FWX 100A	L25S100
015	UFR25X125	A025R125	FWX 125A	L25S125
016	UFR25X150	A025R150	FWX 150A	L25S150
017	UFR25X200	A025R200	FWX 200A	L25S200
018	UFR25X250	A025R250	FWX 250A	L25S250
019	UFR25X300	A025R300	FWX 300A	L25S300
020	UFR25X350	A025R350	FWX 350A	L25S350
021	UFR25X400	A025R400	FWX 400A	L25S400
022	UFR25X500	A025R500	FWX 500A	L25S500
023	UFR25X600	A025R600	FWX 600A	L25S600

<sup>1/</sup> The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements see 3.6.

7.6 Government users. To acquire information on obtaining these fuses from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CSBB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7625.

7.6.1 National stock number (NSN). The following is a list of NSN's assigned which correspond to this CID. The list is for information only and may not be indicative of all possible NSN's associated with the CID. For up to date information on assigned NSN's, please contact the aforementioned DSCC office (See 7.6).

TABLE III. NSN's.

Dash number (see table I) AA55494-	NSN	Dash number (see table I) AA55494-	NSN
001	5920-00-615-7624	013	N/A
002	N/A	014	5920-01-433-3378
003	5920-00-843-9007	015	N/A
004	5920-00-617-9694	016	5920-00-775-7994
005	N/A	017	N/A
006	5920-00-778-7313	018	5920-00-615-7625
007	5920-01-354-6243	019	N/A
008	5920-01-195-7254	020	N/A
009	5920-01-327-6414	021	N/A
010	5920-00-890-8999	022	N/A
011	N/A	023	5920-00-768-4388
012	N/A		

## MILITARY INTERESTS:

Custodians:  
Navy - EC

## CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5920-0692