

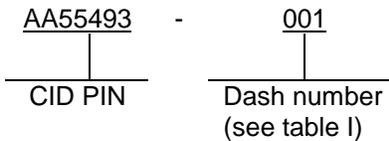
[INCH-POUND]  
A-A-55493B  
May 18, 2001  
SUPERSEDING  
A-A-55493A  
October 3, 1997

## COMMERCIAL ITEM DESCRIPTION

### FUSE CARTRIDGE, SEMICONDUCTOR TYPE, 150 VOLTS

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

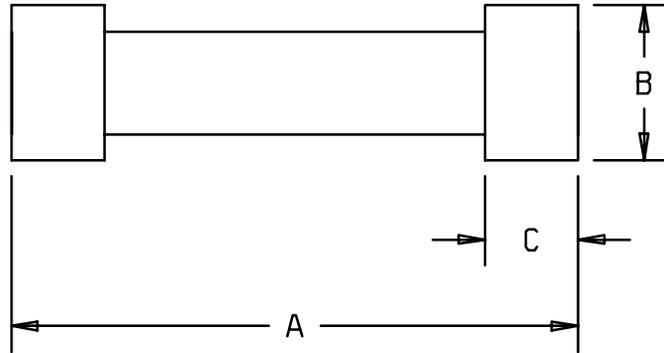
1. **SCOPE.** This CID covers the general requirements for 150 volt semiconductor type fuse cartridges. Fuse cartridges covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part Identification Number (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 150 V ac maximum.
- 3.4 Short circuit interrupt rating. The short circuit interrupt shall be 100,000 amperes root mean square (RMS) symmetrical.
- 3.5 Maximum current clearing  $I^2t$ . The maximum current clearing  $I^2t$  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.



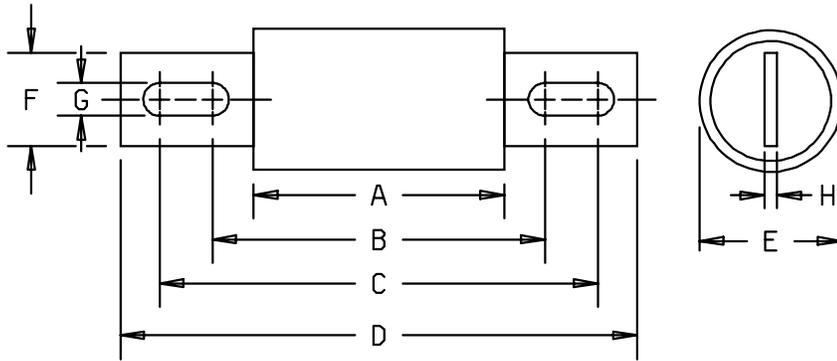
AA55493-	Dimensions		
	A	B	C
001 through 006	1.500 (38.10)	.406 (10.31)	.374 (9.50)
007 through 011	2.000 (50.80)	.813 (20.65)	.820 <del>(20.83)</del> .495 (12.57)

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.



AA55493-	Dimensions							
	A	B	C	D	E	F	G	H
012 through 014	1.626 (29.53)	1.911 (48.54)	2.194 (55.73)	67.48 (2.657)	1.130 (28.71)	.880 (22.36)	7.92 (.312)	4.78 (.188)
					.810 (20.57)	.745 (18.92)		
015 through 021	.837 (21.27)	1.869 (47.47)	2.151 (54.64)	3.50 (88.90)	1.130 (28.71)	.880 (22.36)	1.0 (25.40)	.406 (10.31)
					.995 (25.27)	.745 (18.92)		
022 through 023	1.255 (31.88)	2.379 (60.43)	2.568 (65.23)	1.6 (40.63)	38.23 (1.505)	.963 (24.47)	.251 (6.38)	
	.837 (21.27)		2.495 (63.37)		27.97 (1.101)			
024	1.257 (31.93)	1.932 (49.07)	2.495 (63.37)	1.101 (27.97)				

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.

AA55493-	Ampere rating	$I^2t$ (A <sup>2</sup> s)	AA55493-	Ampere rating	$I^2t$ (A <sup>2</sup> s)
001	5	150	013	80	41,000
002	10	255	014	100	75,000
003	15	310	015	125	110,000
004	20	330	016	150	175,000
005	25	372	017	200	210,000
006	30	400	018	250	355,000
007	35	975	019	300	460,000
008	40	1,200	020	350	570,000
009	45	1,570	021	400	640,000
010	50	1,810	022	500	710,000
011	60	2,150	023	600	875,000
012	70	25,000	024	800	950,000

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) AA55493-	Vendor Commercial P/N <sup>1/</sup>			
	CAGE 067U2	CAGE 12092	CAGE 71400	CAGE 75915
001	UFR15P005	A015R005	---	L15S5
002	UFR15P010	A015R010	---	L10S10
003	UFR15P015	A015R015	---	L15S15
004	UFR15P020	A015R020	---	L15S20
005	UFR15P025	A015R025	---	L15S25
006	UFR15P030	A015R030	---	L15S30
007	UFR15P035	A015R035	---	L15S35
008	UFR15P040	A015R040	---	L15S40
009	UFR15P045	A015R045	---	L15S45
010	UFR15P050	A015R050	---	L15S50
011	UFR15P060	A015R060	---	L15S60
012	UFR15P070	A015R070	FWP 70	L15S70
013	UFR15P080	A015R080	FWP 80	L15S80
014	UFR15P100	A015R100	FWP 100	L15S100
015	UFR15P125	A015R125	FWP 125	L15S125
016	UFR15P150	A015R150	FWP 150	L15S150
017	UFR15P200	A015R200	FWP 200	L15S200
018	UFR15P250	A015R250	FWP 250	L15S250
019	UFR15P300	A015R300	FWP 300A	L15S300
020	UFR15P350	A015R350	FWP 350	L15S350
021	UFR15P400	A015R400	FWP 400	L15S400
022	UFR15P500	A015R500	FWP 500	L15S500
023	UFR15P600	A15R600	FWP 600	L15S600
024	UFR15P800	A015R800	FWP 800	L15S800

<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) AA55493-	NSN	Dash number (see table I) AA55493-	NSN
001	N/A	013	N/A
002	N/A	014	N/A
003	N/A	015	N/A
004	N/A	016	N/A
005	N/A	017	N/A
006	N/A	018	N/A
007	N/A	019	N/A
008	N/A	020	N/A
009	N/A	021	N/A
010	N/A	022	N/A
011	N/A	023	5920-01-158-9052
012	N/A	024	5920-01-262-0872

MILITARY INTERESTS:

Custodians:  
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5920-0691