[INCH-POUND]
A-A-55517/3D
21 December 2015
SUPERSEDING
A-A-55517/3C
17 February 2010

COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

RESISTOR, FIXED, CARBON FILM, 1/2 WATT

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all agencies.

The complete requirements for procuring a 1/2 watt, fixed, carbon film resistor described herein shall consist of this document and the issue in effect of CID A-A-55517.

CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This CID specification sheet uses a classification system which is included in the PIN as shown in the following example (see NOTES).

AA55517	03	***	*
CID number	Applicable CID sheet (two digits)	Resistance	Tolerance

SALIENT CHARACTERISTICS

Interface and physical dimensions. Resistors supplied to this CID specification sheet shall be as specified herein (see figure 1).

Power rating. The power rating for the resistor shall be 1/2 watt.

Voltage rating. The voltage rating shall be 350 V.

Overload voltage. The overload voltage shall be 700 V.

Resistance. The resistance range shall be 1.0 ohm to 22 megohms.

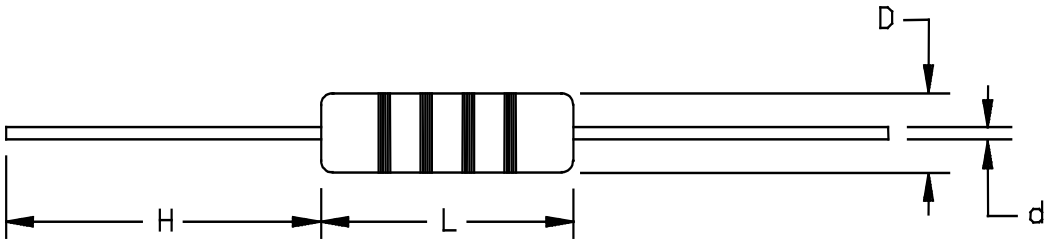
Resistance tolerance. The standard resistance tolerance available is J (±5 percent). Resistance tolerances G (±2 percent) and K (±10 percent) are also available.

Operating ambient temperature. The operating ambient temperature range shall be -55°C to +155°C.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: DLA Land and Maritime, ATTN: VAT, Post Office Box 3990, Columbus, OH 43218-3990, or emailed to resistor@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at https://assist.dla.mil.

AMSC N/A
FSC 5905

Marking. Resistors supplied to this CID specification sheet shall be marked as specified in A-A-55517.



Dimension			
L	D	H	d
0.355 ±.040 (9.02 ±1.02)	0.122 ±.024 (3.1 ±.61)	0.788 min. (20.02 min.)	0.025 ±.003 (0.64 ±.08)

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given in parenthesis for general information only.
3. The picturization of the style above is given as a representative of the envelope item. Light deviations from the outline shown, which are contained within the envelope and do not alter the functional aspects of the device, are acceptable.

FIGURE 1. Dimensions and configuration.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See CLASSIFICATION for PIN format example.

Source of documents.

COMMERCIAL ITEM DESCRIPTION

A-A-55517 - Resistor, Fixed, Carbon Film, General Requirements for.

(Copies of these documents are available online at http://quicksearch.dla.mil).

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

MFR's CAGE	MFR's name and address
8KU4	RFE International, Inc. 1938 Blair Avenue Santa Ana, CA 92705-5707 Phone: (949) 833-1988 Fax: (949) 833-1788 Email: sales@rfeinc.com Website: www.rfeinc.com
56637	RCD Components, Inc. 520 East Industrial Park Drive Manchester, NH 03109-5316 Phone: (603) 669-0054 Fax: (603) 669-5455 Email: sales@rcdcomponents.com Website: www.rcdcomponents.com

Part number (P/N) supersession data. This CID specification sheet PINs supersedes the following manufacturers P/N as shown in table I. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE I. P/N supersession data.

CID coded number	MFR's CAGE	MFR's P/N 1/
AA5551703****	08KU4	CR50S
	56637	CF50SQ

1/ The manufacturers P/N shall not be used for procurement to the requirements of this CID specification sheet. At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see paragraph 3.7 of A-A-55517.

Government users. To acquire information on obtaining these fuses from the Government inventory system, contact DLA Land and Maritime, ATTN: DLA Land and Maritime-FMX, P.O. Box 3990, Columbus, OH 43218-3990, or telephone (614) 692-3677.

National Stock Number. Table II is a list of NSN's assigned which correspond to this CID specification sheet. The list is for information only and may not be indicative of all possible NSN's associated with the CID specification sheet. For up to date information on assigned NSN's, please contact the aforementioned DLA Land and Maritime office (see Government users).

Table II. NSN's.

PIN number	NSN
AA5551703121J	5905-01-559-8844

Changes from previous issue. Marginal notations are used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes

MILITARY INTERESTS:

Custodians:
NAVY - EC
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing activity:
DLA - CC

Project 5905-2016-005

NOTE: The activities listed above were interested in this document as 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.dla.mil