

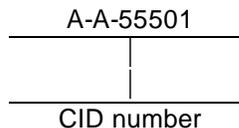
[INCH-POUND]  
A-A-55501B  
4 November 2002  
SUPERSEDING  
A-A-55501A  
7 April 1998

## COMMERCIAL ITEM DESCRIPTION

### RESISTORS, FIXED, ZERO OHM, 1/4 WATT

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 an axial leaded zero ohm resistor. Resistors covered by this CID are intended for commercial/industrial applications and are not used in military systems needing stringent environmental and electrical requirements.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following examples (see 7.1).



### 3. SALIENT CHARACTERISTICS.

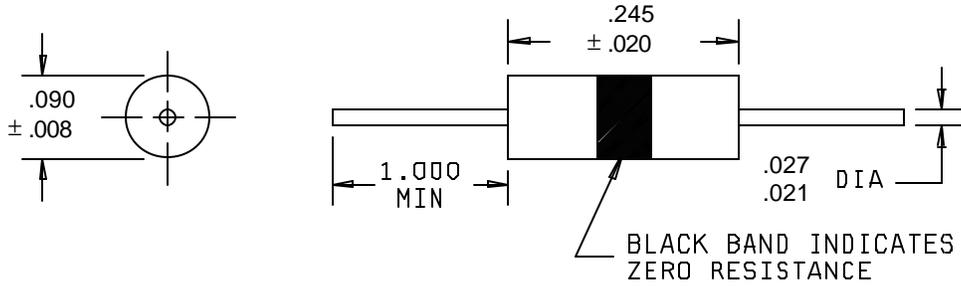
- 3.1 Interface and physical dimensions. Resistor supplied to this CID shall meet the interface and physical dimensions as specified herein (see figure 1).
- 3.2 DC resistance. The resistance value shall not exceed 0.01 ohm.
- 3.3 Insulation resistance. The insulation resistance shall be 10,000 megohms.
- 3.4 Current rating. The current rating shall be 10 amperes maximum.
- 3.5 Dielectric withstanding voltage. The dielectric withstanding voltage shall be 450 volts minimum.
- 3.6 Marking. Resistors supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

### 4. REGULATORY REQUIREMENTS.

- 4.1 Recycled/recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 23.403 of the Federal Acquisition Regulation (FAR).

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43216-5000, telephone (614) 692-0552, or facsimile (FAX) (614) 692-6939

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Inches	mm
.008	0.20
.020	0.51
.021	0.53
.027	0.69
.090	2.29
.245	6.22
1.000	25.4

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is  $\pm .005$  inch ( $\pm 0.13$  mm).

FIGURE 1. Resistors, fixed, zero ohm.

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.

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 resistors to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of documents. This section is not applicable to this CID.

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7.4 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.

7.5 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).

TABLE I. Commercial products.

CID PIN	Vendor CAGE	Vendor name and address
A-A-55501	11502	IRC, Incorporated P.O. Box 1860 Boone, NC 28607-1860
A-A-55501	56637	RCD Components 520 East Industrial Park Drive Manchester, NH 03109-1824
A-A-55501	91637	Vishay Dale P.O. Box 0609 1122 23 <sup>rd</sup> Street Columbus, NE 68602-0609

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

TABLE II. P/N supersession data.

CID PIN	DSCC drawing number	Vendor commercial PIN <u>1/</u>	Vendor CAGE	Vendor body color <u>2/</u>	Vendor body style
A-A-55501	87009	RGB – zero ohm	11502	Dark brown	Molded
		FRJ – 55	91637	Brown	Conformal coated
		ZJ2B	56637	Tan	Conformal coated

1/ The manufacturers 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.

2/ Body colors are for identification purposes.

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7.7 Government users. To acquire information on obtaining these resistors from the government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CPB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7678.

MILITARY INTERESTS:

Custodians:  
Navy - EC  
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE  
Preparing activity:  
DLA - CC  
Project 5905-1657