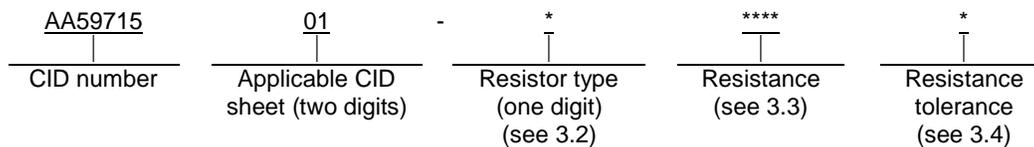


COMMERCIAL ITEM DESCRIPTION

RESISTOR, FIXED AND ADJUSTABLE, WIREWOUND, POWER TYPE, GENERAL REQUIREMENTS FOR

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 wirewound, power type, fixed or adjustable resistors. The individual requirements for specific resistors are covered in the individual CID sheets. The resistors 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 6.1)



3. SALIENT CHARACTERISTICS

- 3.1 Interface and physical dimensions. The resistors supplied to this CID shall be as specified on the applicable CID sheet.
- 3.2 Resistor type. Designates the type and power rating of each resistor contained in the applicable CID sheet.
- 3.3 Resistance. The nominal resistance value expressed in ohms is identified by a four-digit number; the first three digits represent significant figures and the last digit specifies the number of zeros to follow. Resistance values for specific resistors are covered in the individual CID sheets. When the value of resistance is less than 100 ohms, or when fractional values of an ohm is required, the "R" will be substituted for one of the significant digits to represent the decimal point. When the letter "R" is used, succeeding digits of the group represent significant figures. The resistance value designations are shown in the applicable CID sheet.
- 3.4 Resistance tolerance. The resistance tolerance shall be as specified on the applicable CID sheet.
- 3.5 Power rating. The power rating shall be as specified on the applicable CID sheet.
- 3.6 Mounting hardware. Mounting hardware for resistors covered under applicable CID sheets is available through the manufacturers catalog.
- 3.7 Marking. Resistors supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN.

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>.



3.8 Recycled, recovered, or environmentally preferable, or biobased materials. Recycled, recovered, or environmentally preferable, or biobased materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

4. REGULATORY REQUIREMENTS. 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).

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 is 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 the a product meeting the requirements of this ID for at least 6 months.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 6 months.

6. PACKAGING

6.1 Preservation, packing and marking. 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 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmental Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals and additional information is available on their website at <http://www.epa.gov/osw/hazard/wastemin/priority.htm>. Included in the list of 31 priority chemicals are cadmium, lead, and mercury. Use of these materials should be minimized or eliminated unless needed to meet the requirements specified herein (see Section 3).

7.3 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.

7.4 Source of documents.

FEDERAL REGULATIONS

[FAR 23.403](#)

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Federal Acquisition Regulations (FAR) – Use of Recovered Materials.

(Copies of these documents are available online at <http://www.acquisition.gov/far/> or from the U.S. Government Printing Office, 732 North Capital Street, NW, Washington D.C. 20401-0001.

| 7.5 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.

| 7.6 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.

| 7.7 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 5905-2016-008

| 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>.