

COMMERCIAL ITEM DESCRIPTION

RESISTOR, VARIABLE, NONWIREWOUND, WIREWOUND, PRECISION, NONPRECISION, 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, nonwirewound, precision, nonprecision variable resistors. The individual requirements for specific resistors are covered in the individual CID sheets. For technical assistance when utilizing parts for parameters not specifically detailed, contact the manufacturers listed on applicable CID sheets. The resistors covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN).** This CID uses a classification system which is included in the PIN as shown in the following example (see 7.1)

<u>A59497</u>	<u>01</u>	<u>***</u>	<u>*</u>	<u>*</u>	<u>*</u>	<u>*</u>
CID number	Applicable CID sheet (two digits)	Resistance (see 3.2)	Resistance tolerance (see 3.3)	Physical parameters (see 3.4)	Operating shaft (see 3.5)	Electrical rotation and linearity (see 3.6)

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 **Resistance.** The nominal resistance value expressed in ohms is identified by a three-digit number; the first two 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.
- 3.3 **Resistance tolerance.** The resistance tolerance shall be as specified on the applicable CID sheet.
- 3.4 **Physical parameters.** The physical parameters shall be as specified on the applicable CID sheet.
- 3.5 **Operating shaft.** The operating shaft style and length shall be as specified on the applicable CID sheet.
- 3.6 **Electrical rotation and linearity.** The electrical rotation and linearity shall be as specified on the applicable CID sheet.
- 3.7 **Power rating.** The power rating shall be as specified on the applicable CID sheet.
- 3.8 **Operating ambient temperature.** The operating ambient temperature shall be as specified on the applicable CID sheet.

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



3.9 Marking. Resistors supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN.

3.10 Recycled, recovered, or environmentally preferable, or biobased materials. Recycled, recovered, 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.

3.11 Workmanship. Resistor shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.

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 a product meeting the requirements of this CID for at least 2 years.
- b. The company producing the item must have sold at least 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 resistors to DLA Land and Maritime under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of documents.

FEDERAL REGULATIONS

[FAR](#)

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Federal Acquisition Regulations (FAR)

(Copies of these documents are available online at <https://www.acquisition.gov/far/>)

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

7.7 Changes from previous issue. The margins of this CID are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

MILITARY INTERESTS:

Custodians:
NAVY - EC
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE
Preparing Activity:
DLA - CC
Project 5905-2016-059

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>.