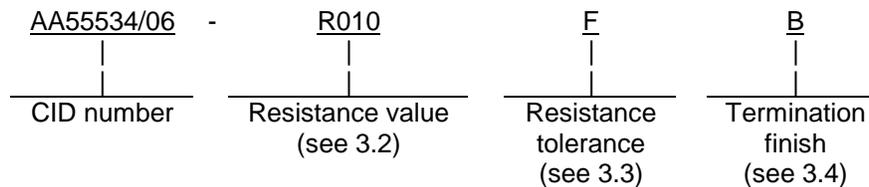


COMMERCIAL ITEM DESCRIPTION

RESISTORS, FIXED, WIRE WOUND OR METAL ELEMENT, (POWER TYPE) STYLE VLV10

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 style VLV10 wire wound or metal element, power type, fixed resistors. 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 or Identification Number (PIN). The PIN shall be AA55534/06- (plus a coded number) as shown in the following example.

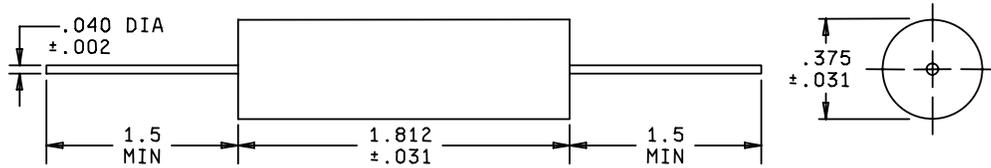


NOTE: This PIN has been derived in accordance with A-A-55534.

3. SALIENT CHARACTERISTICS

- 3.1 Design and construction. The resistors supplied to this CID shall be as specified herein (see figure 1).
- 3.2 Resistance value. The resistance value shall be 0.005 ohm to 0.9 ohm.
- 3.3 Resistance tolerance. This style resistor is available in resistance tolerances F, H, and J (± 1 percent, ± 3 percent, and ± 5 percent respectively).
- 3.4 Termination finish. The termination finish shall be identified by a single letter, B for tin/lead (Sn/Pb) (3 percent lead minimum) or T (Sn) (100 percent tin).
- 3.5 Power rating. The power rating shall be 10.0 watt at $+25^{\circ}\text{C}$. The power rating shall be linearly derated to zero at 275°C .

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, or telephone (614) 692-0553, or facsimile (FAX) (614) 692-6939.



| Inches | mm | Inches | mm |
|--------|------|--------|-------|
| 0.002 | 0.05 | 0.375 | 9.53 |
| 0.031 | 0.79 | 1.500 | 38.10 |
| 0.040 | 1.02 | 1.812 | 46.03 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. The picturization of the style above is given as representative of the envelope of the item. Slight 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. Resistors, fixed, wire wound, or metal element (style VLV10).

3.6 Temperature coefficient. The temperature coefficient of resistance shall not exceed ±350 ppm/°C for resistance values 0.01 ohm and above or ±650 ppm/°C for resistance values below 0.01 ohm from -55°C to +275°C.

3.7 Marking. Resistors supplied to this CID shall be marked with the manufacturers standard commercial PIN. Marking of individual small devices (e.g. chips) is not required but is permitted; however, each unit pack supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

4. **PRODUCT CONFORMANCE PROVISIONS.** Product conformance provisions shall be as specified in A-A-55534.

5. **PACKAGING.** Packaging shall be as specified in A-A-55534.

6. NOTES

6.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format.

6.2 CAGE code. For ordering purposes, inventory control, and submission of these instruments to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

6.3 Source of documents.

Commercial Item Description

A-A-55534 - Resistor, Fixed, Power type (Very Low Resistance Values), General Requirements For.

(Copies of commercial item descriptions are available from the Document Automation and Production Service (DAPS), Building 4D (Customer Service), 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

6.4 Ordering data. Ordering data shall be as specified in A-A-55534.

6.5 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following MFGR's of commercial products. At the time of CID preparation and coordination, these MFGR's 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 MFGR's or be used to restrict procurement to only the MFGR's shown.)

| Commercial item description (CID) PIN | Vendor CAGE | Vendor name and address |
|---|----------------|---|
| <p>AA55534/06-*****</p> <p>Resistance values 0.005 ohm through 0.8 ohm, resistance tolerances F, H, and J</p> | <p>91637</p> | <p>Dale Electronics, Inc. 1122 23rd St. PO Box 609 columbus, NE 68601-0609</p> <p>Dale Electronics, Inc. Industrial Park PO Box 87 Dimona 86100, Israel</p> |
| <p>AA55534/06-*****</p> <p>Resistance values 0.005 ohm to 0.9 ohm, resistance tolerances F, H, and J, derated to zero at 275°C.</p> | <p>15915</p> | <p>TEPRO of Florida, Inc. 2608 Enterprise Rd. Clearwater, FL 34623</p> |

6.6 Part number (P/N) supersession data. This CID supersedes the MFGR's style as shown below. This information is being provided to assist in reducing proliferation in the government inventory system.

| MFGR's CAGE | MFGR's style <u>1/</u> |
|-------------|------------------------|
| 91637 | LVR-10 |
| 15915 | TSM10 |

1/ The MFGR'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.

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

MILITARY INTERESTS:

Custodian
Navy - EC
DLA-CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:
DLA-CC

Project 5905-1684