

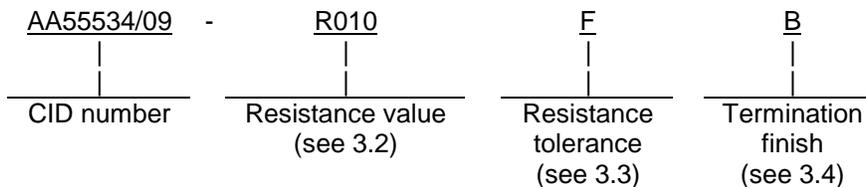
[INCH-POUND]  
A-A-55534/9A  
23 December 2002  
SUPERSEDING  
A-A-55534/9  
19 February 1997

## COMMERCIAL ITEM DESCRIPTION

### RESISTORS, FIXED, WIREWOUND OR METAL ELEMENT, CHIP, (POWER TYPE) STYLE VLV2

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 VLV2 wirewound or metal element, chip, power type fixed, surface mount 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 Identification Number (PIN). The PIN shall be AA55534/09- (plus a code number) as shown in the following example.



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

### 3. SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions. The resistors supplied to this CID shall meet the interface and physical dimensions as specified herein (see figure 1).

3.2 Resistance value. The resistance value shall be 0.005 ohm to 1.0 ohm.

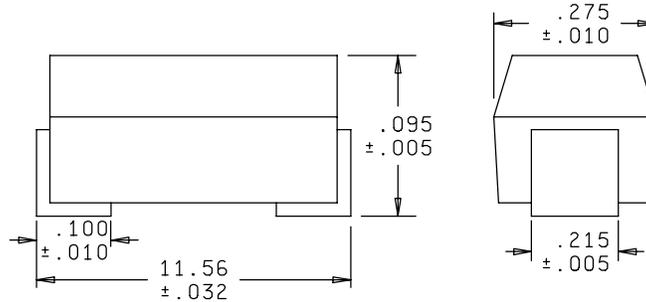
3.3 Resistance tolerance. This style resistor is available in resistance tolerances F, H, and J ( $\pm 1$  percent,  $\pm 3$  percent, and  $\pm 5$  percent respectively).

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 2.0 watt at  $+ 70^{\circ}\text{C}$ . The power rating shall linearly derate to zero at  $+ 275^{\circ}\text{C}$  (see 6.5).

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, PO Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-0553, or facsimile (FAX) (614) 692-6939.

A-A-55534/9A



Inches	mm	Inches	mm
0.005	0.127	0.100	2.54
0.010	0.254	0.215	5.46
0.032	0.813	0.275	6.98
0.095	2.41	0.455	11.56

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, wirewound or metal element (style VLV2).

3.6 Temperature coefficient. The temperature coefficient of resistance shall not exceed  $\pm 110$  ppm/ $^{\circ}\text{C}$  from  $-55^{\circ}\text{C}$  to  $+275^{\circ}\text{C}$ .

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

4. REGULATORY REQUIREMENTS. This section is not applicable to this CID sheet.

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

6. PACKAGING. Packaging shall be as specified in A-A-55534.

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.

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.

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.)

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

7.5 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.)

TABLE I. Commercial products.

CID PIN	MFRG CAGE	MFGR name and address
AA55534/09-*****  Resistance value 0.005 ohm to 1.0 ohm, resistance tolerance F, H, and J, derated to zero at 175°C.	91637	Dale Electronics, Incorporated 1122 23 <sup>rd</sup> St. Columbus, NE 68601-0609  Dale Israel, Ltd. Emek-Sara Industrial Zone 3, Ha'Kotzer str. Be'er Sheva, Israel 84 874

7.6 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.

TABLE II. P/N supersession data.

MFGR's CAGE	MFGR's style <u>1/</u>
91637	WSR-2

1/ The MFGR's style 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.

7.7 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 5905-1687