

[INCH-POUND]  
A-A-55534/9B  
28 June 2018  
SUPERSEDING  
A-A-55534/9A  
23 December 2002

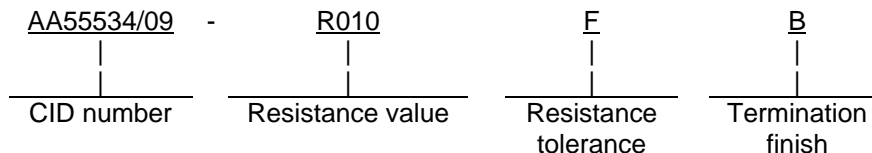
### COMMERCIAL ITEM DESCRIPTION

#### RESISTOR, 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.

Inactive for new design after 28 June 2018.  
For replacement purposes only. For new design use  
DLA Land and Maritime drawing [06003](#).

- \* The complete requirements for procuring of a fixed, wirewound or metal element resistor described herein shall consist of this document and the issue in effect of A-A-55534.
- \* CLASSIFICATION OR PART IDENTIFICATION NUMBER (PIN). This commercial item description (CID) specification sheet uses a classification system which is included in the PIN as shown in the following example (see [NOTES](#)).



NOTE: This PIN has been derived in accordance with [A-A-55534](#).

#### SALIENT CHARACTERISTICS.

- \* Interface and physical dimensions. Resistors supplied to this CID specification sheet shall meet the interface and physical dimensions as specified herein (see figure 1).

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

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).

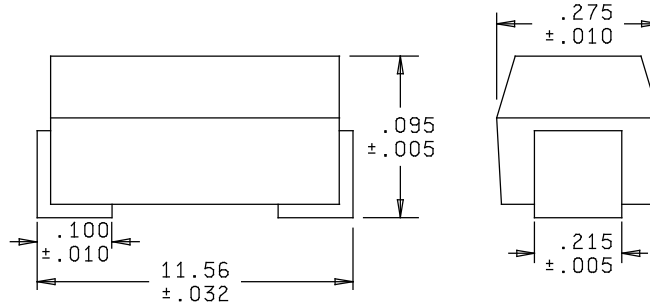
Termination finish. The termination finish shall be identified by a single letter, B for tin/lead (Sn/Pb) (3 percent lead minimum) or T (Sn) (100 percent tin).

AMSC N/A

FSC 5905



A-A-55534/9B



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).

\* Power rating. The power rating shall be 2.0 watt at + 70°C. The power rating shall linearly derated to zero at + 275 °C (see [Commercial products](#)).

Temperature coefficient. The temperature coefficient of resistance shall not exceed ±110 ppm/ °C from - 55 °C to +275 °C.

\* Marking. Resistors supplied to this CID specification sheet shall be marked with the manufacturer's 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 commercial item description PIN.

NOTES.

\* PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See [Classification](#) section for PIN format.

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 online at <http://quicksearch.dla.mil>.)
- \* Commercial products. As part of the market analysis and research effort, this CID specification sheet was coordinated with the following manufacturers of commercial products. At the time of CID specification sheet preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID specification sheet. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
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  Phone: 402-563-6866 Fax: 402-563-6296 Email: <a href="mailto:business-americas@vishay.com">business-americas@vishay.com</a> Website: <a href="http://www.vishay.com">www.vishay.com</a>

- \* Part number (P/N) supersession data. This CID specification sheet PINs supersedes the MFGR's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

CID PIN	MFGR's CAGE	MFGR's P/N <u>1/</u>	MFGR's SALIENT CHARACTERISTICS
AA55534/09-*****	91637	WSR-2	Resistance value 0.005 ohm to 1.0 ohm, resistance tolerance F, H, and J, derated to zero at 175°C.

1/ The manufacturers P/N shall not be used for acquisition to the requirements of this CID specification sheet. At the time of preparation of this CID specification sheet, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements, see the marking paragraph of [A-A-55534](#).

MILITARY INTERESTS:

Custodian  
Navy - EC  
DLA-CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FAS

Preparing Activity:  
DLA-CC

Project 5905-2018-030

NOTE: The activities listed above were interested in this document as of 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>.