



L	W	D	E
3.20 ±0.2	2.49 ±0.2	1.70 max	0.71 max

mm	Inches
0.2	0.01
0.71	0.028
1.70	0.067
2.49	0.098
3.20	0.126

NOTES:

1. Dimensions are in millimeters. Inch-pound equivalents are given for information only.
2. The US government preferred system of measurement is the metric SI system. However, this item was originally designed using inch-pound units of measurement. In the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

Figure 1. Interface and physical dimensions, style 1210.

TABLE I. Performance characteristics.

Dash number	Working voltage (dc) max	Breakdown voltage	Clamping Voltage (max) <u>1/</u>	Peak current A (max)	Transient energy Joule (max)	Capacitance (pF) typical		Inductance (nH) typical
Test Condition	<50 μ A	1 mA dc	8/20 μ s	8/20 μ s	10/1000 μ s	0.5 V rms @		di/dt= 100 mA/ns
						1 kHz	1 MHz	
001P	18 <u>2/</u>	21.5 - 26.5	39	500	1.5	3100	2400	2.0
002P	26	29.7 - 36.3	56	300	1.2	2150	1675	2.0
003P	30	35.0 - 43.0	62	220	0.9	1900	1530	2.0
004P	30	35.0 - 43.0	62	280	1.2	1975	1575	2.0
005P	48	54.5 - 66.5	100	220	0.9	500	430	2.0
006P	48	54.5 - 66.5	100	250	1.2	525	450	2.0
007P	60	67.0 - 83.0	120	250	1.5	450	375	2.0

1/ Maximum peak voltage across the varistor measured at a specified pulse current and waveform.
 Transient Energy Rating ≥ 0.4 Joules
 Pulse Current and Waveform 10A 8/20 μ s.

2/ Withstands 24.5 VDC for 5 minutes (automotive applications).

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

5. PRODUCT CONFORMANCE PROVISIONS. Product conformance provisions shall be as specified in A-A-55562.

6. PACKAGING. Packaging shall be as specified in A-A-55562.

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 varistors to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of document.

Commercial Item Description

A-A-55562 - Resistor, Voltage Sensitive (Varistor, Metal Oxide), Chip.

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

7.4 Ordering data. Ordering data shall be as specified in A-A-55562.

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

MFG's CAGE	MFG's name and address
16299	AVX Corporation 3900 Electronics Dr. Raleigh, NC 27604-1698 (919) 878-6200

7.6 Part number (P/N) supersession data. These CID part numbers supersede the following MFR's P/N's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

CID dash number (see table I) AA5556204-	MFG's P/N ^{1/} for CAGE 16299
001P	VC121018J390
002P	VC121026H560
003P	VC121030G620
004P	VC121030H620
005P	VC121048G101
006P	VC121048H101
007P	VC121060J121

^{1/} The manufacturer'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. For actual part marking requirements see the marking paragraph.

7.7 Government users. To acquire information on obtaining these varistors from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CP, P. O. Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7684.

MILITARY INTERESTS:

Custodians:
NAVY-EC
DLA-CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE
Preparing Activity:
DLA-CC
Project 5905-1614-04