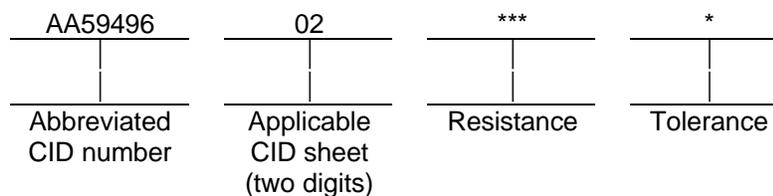


COMMERCIAL ITEM DESCRIPTION

RESISTOR, VARIABLE, TRIMMER
NONWIRE WOUND,
4MM SQUARE, GULL WING LEADS

The General Services Administration has authorized the use of this Commercial item description (CID) for all agencies.

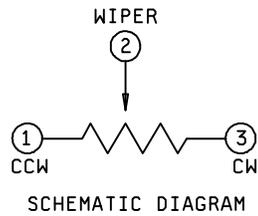
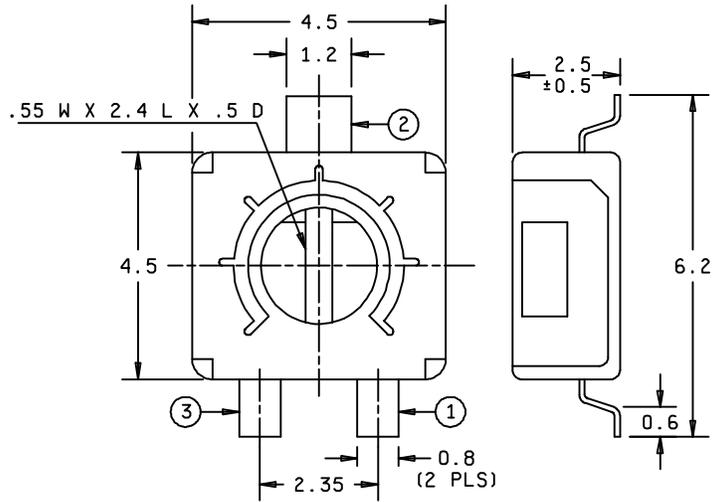
1. **SCOPE.** This CID covers the general requirements for a variable, nonwire wound, 4mm square, gull wing lead trimmer. The resistors covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part Identification Number (PIN) (see 7.1). The PIN shall be AA5949602***. Complete PIN example: AA5949602502M.



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. The resistance shall be from 10 to 2 megohms. The resistance value designations and nominal resistance values shall be as specified in table I.
- 3.3 Resistance tolerance. The resistance tolerance available is M (± 20 percent).
- 3.4 Power rating. The power rating shall be .25 watt at $+70^{\circ}\text{C}$. The power rating shall linearly be derated to zero at $+125^{\circ}\text{C}$.
- 3.5 Operating ambient temperature. The operating ambient temperature range shall be -55°C to $+125^{\circ}\text{C}$.

Beneficial comments, recommendations, additions, 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) 692-0552, or facsimile (FAX) (614) 692-6939.



mm	Inches	mm	Inches
0.5	0.02	2.35	0.092
0.6	0.025	2.5	0.10
0.8	0.03	4.5	0.18
1.2	0.05	5.0	0.20
2.3	0.09	6.2	0.25

NOTES:

1. Dimensions are in millimeters.
2. Inch equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ± 0.30 mm (0.012).

FIGURE 1. 4 MM square, gull wing trimmer.

3.6 Temperature coefficient. The temperature coefficient shall be ± 100 ppm/ $^{\circ}$ C.

3.7 Voltage. The maximum voltage shall be 300 volts.

3.8 Electrical angle. The electrical angle shall be 210° .

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

TABLE I. Nominal resistance value.

Resistance value designation	Nominal resistance value (Ohms)
100	10
200	20
500	50
101	100
201	200
501	500
102	1,000
202	2,000
502	5,000
103	10,000
203	20,000
503	50,000
104	100,000
204	200,000
504	500,000
105	1,000,000
205	2,000,000

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

5. QUALITY ASSURANCE PROVISIONS. Quality assurance provisions shall be as specified in A-A-59496.

6. PACKAGING. Packaging shall be as specified in A-A-59496.

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-59496 - Resistor, Variable, Trimmer, Nonwire Wound, and Wirewound, General Specification for.

(Copies of federal specifications and standards are available from the Defense Automated Printing Service, Building 4D, (DPM-DODSSP), 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

7.4 Ordering data. Ordering data is as specified in A-A-59496.

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).

TABLE II. Commercial products.

CID PIN	MFR's CAGE	MFR's name and address
AA5949602****	32997	Bourns, Incorporated Trimpot Division 1200 Columbia Avenue Riverside, CA 92507-2114

7.6 Part number (P/N) supersession data. This CID supersedes the following manufacturers P/N as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE III. P/N supersession data.

MFR's CAGE	MFR's P/N <u>1/</u>
32997	3314G

1/ The manufacturers 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.

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

MILITARY INTERESTS:

Custodians:
Navy - EC
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE
Preparing activity:
DLA - CC
Project 5905-1579-02