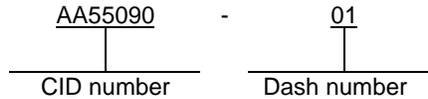


COMMERCIAL ITEM DESCRIPTION

FILTER, RADIO FREQUENCY INTERFERENCE

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 radio frequency interference (RFI) suppression power line filters. These filters consist of capacitors and inductors used in combination with each other and may be provided with resistors. This series of RFI filters incorporate the special IEC (International Electrotechnical Commission) power line connector. Filters covered by this CID are intended for commercial/industrial applications and should not be used in military systems needing stringent environmental and electrical requirements.
2. CLASSIFICATION. This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).



3. SALIENT CHARACTERISTICS.

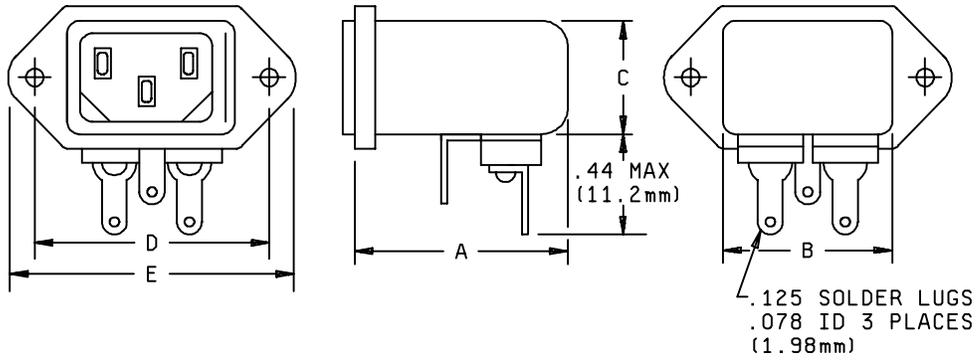
- 3.1 Interface and physical dimensions. Filters supplied to this CID shall be as specified herein (see figure 1).
- 3.2. Voltage rating. The voltage rating shall be 120/250 V ac.
- 3.3 Operating frequency. The operating frequency shall be 50/60 Hz.
- 3.4 Current rating. The current rating shall be as specified in table I.
- 3.5 Maximum leakage current, line-to-ground. The maximum leakage current, line-to-ground, shall be 0.25 mA at 120 V ac, 60 Hz; 0.50 mA at 250 V ac, 50 Hz.

TABLE I. Current rating and insertion loss.

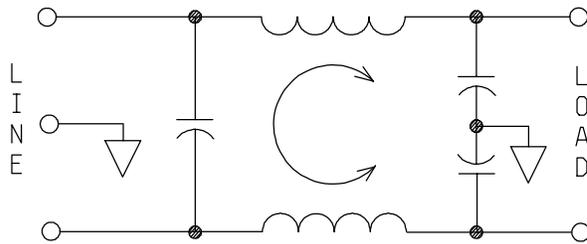
PIN AA55090-	Current rating	Minimum insertion loss (dB) Line-to-ground in 50 ohm circuit					
		Frequency (MHz)					
		.15	.5	1	5	10	30
01	1 A	22	35	40	46	50	49
02	3 A	15	25	30	45	50	54
03	6 A	9	20	25	41	45	50

Beneficial comments recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be addressed to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43213-1199, or telephone (614) 692-0562, or facsimile (FAX) (614) 693-1644.

A-A-55090A



A (max)	B (max)	C (max)	D ± 0.015 (± 0.38)	E (max)
1.55 (39.4)	1.19 (30.1)	.85 (21.6)	1.575 (40.01)	1.98 (50.3)



ELECTRICAL SCHEMATIC

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Metric equivalents are in parentheses.

FIGURE 1. Configuration and dimensions.

3.6 Hipot rating (1 minute). The hipot rating shall be 2,250 V dc line-to-ground; 1,450 V dc line-to-line.

3.7 Insertion loss. See table I.

3.8 Electrical schematic. The electrical schematic shall be as specified on figure 1.

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

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. PRODUCT CONFORMANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

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

7.3 Source of documents. This section is not applicable to this CID.

7.4 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

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.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
05245	CORCOM, Incorporated 844 East Rockland Road Libertyville, IL 60048

7.6 Part number (PIN) supersession data. This CID supersedes the following manufacturers' PIN's as shown. This information is being provided to assist in reducing proliferation in the government inventory system.

TABLE II. PIN supersession data.

PIN AA55090-	MFR's CAGE number	MFR's PIN <u>1/</u>
01	05245	1EF2
02	05245	3EF2
03	05245	6EF2

1/ The manufacturer's PIN 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 3.9.

7.7 Government users. To acquire information on obtaining these filters from the Government inventory system, contact Defense Supply Center Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43213-1199, telephone (614) 692-0562 or facsimile (614) 693-1644.

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE
Preparing Activity:
DLA-CC
Project 5915-0402