INCH-POUND
A-A-59744
23 September 2002

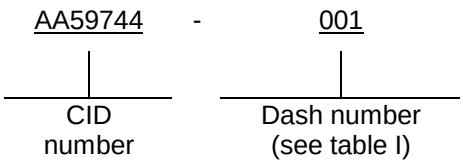
COMMERCIAL ITEM DESCRIPTION

CHOKE, COMMON MODE, SURFACE MOUNT

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 a Choke. Chokes covered by this CID are intended for commercial/industrial applications.

2. CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). 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. Chokes supplied to this CID shall be as specified herein. (see figure 1and figure 2).

3.2. Electrical characteristics. The electrical characteristics shall be as specified in table I.

3.3. Insertion loss (dB) common mode/differential mode. Insertion loss shall be as specified in figure 3.

3.4. Impedance vs. Frequency. Impedance verses frequency shall be as specified in figure 4.

3.5 Weight. The weight shall be 0.297 gram maximum.

3.6 Operating temperature range. The operating temperature range is –40°C to +85°C.

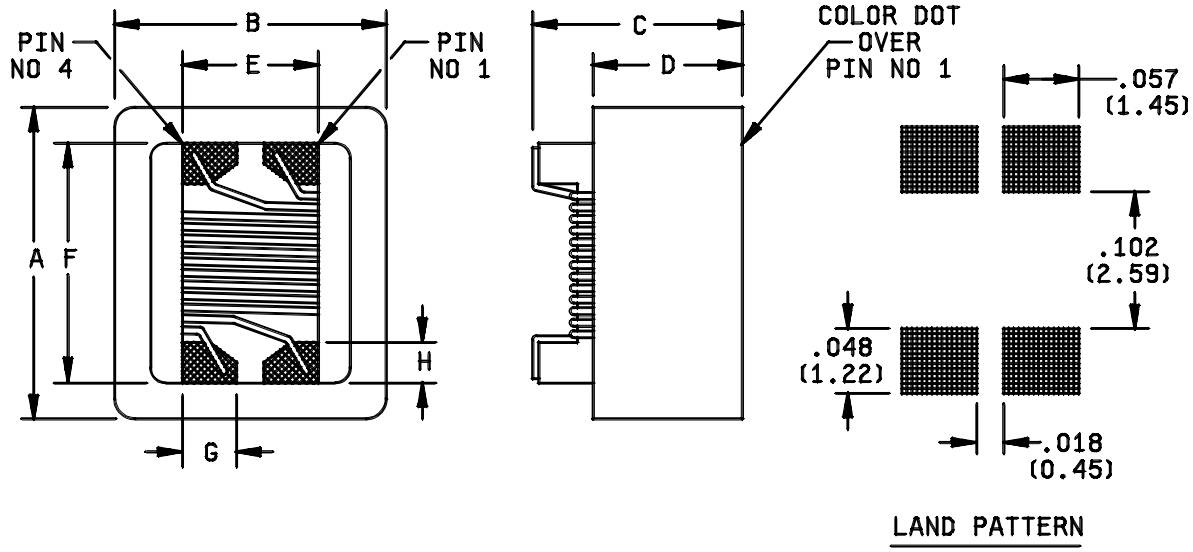
3.7 Temperature rise. DC current rating for a 15°C rise.

3.8 Altitude. The maximum altitude is 70,000 feet.

3.9 Marking. Chokes supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

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 43216-5000, or telephone (614) 692-0557, or facsimile (FAX) (614) 692-6939.

AMSC N/A FSC 5950



A max	B max	C max	D ref	E ref	F ref	G min	H min
0.231	0.196	0.150	0.107	0.100	.178	0.04	0.03
(5.87)	(4.97)	(3.81)	(2.72)	(2.54)	(4.52)	(1.02)	(0.76)

NOTES:

1. Dimensions are in Inches.
2. Metric equivalents, in parenthesis, are listed for general information only.

FIGURE 1. Configuration and dimensions.

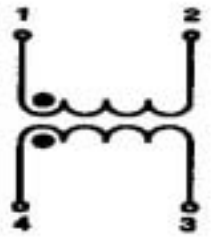
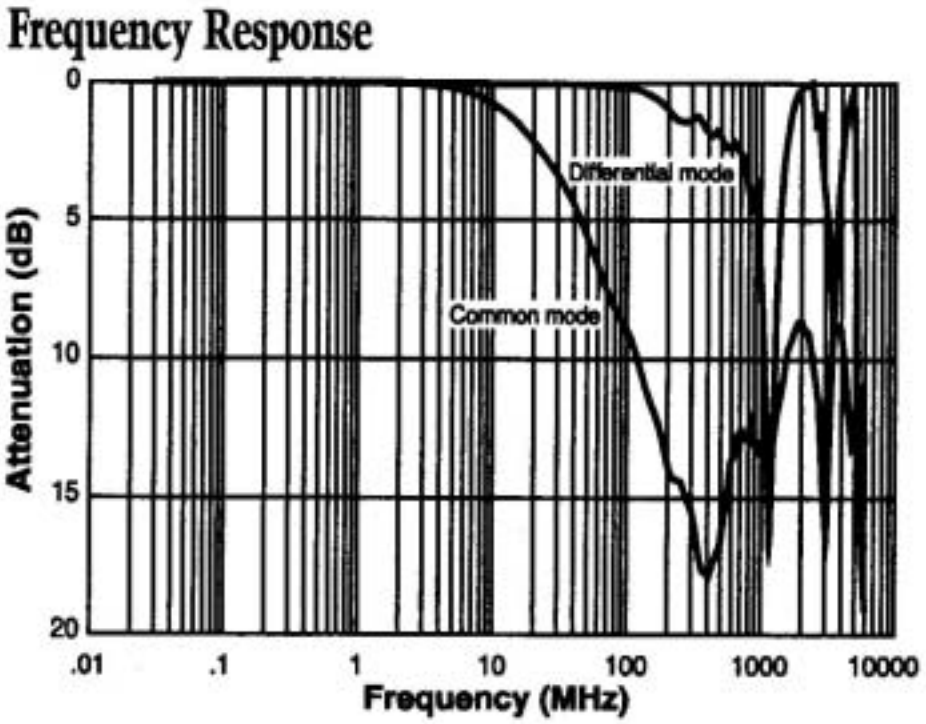


FIGURE 2. Schematic diagram.



Common mode/Differential mode dB			
100 MHz	200 MHz	400 MHz	500 MHz
9.04/0.19	13.66/0.94	17.75/1.79	17.11/2.09

FIGURE 3. Insertion loss graph/table.

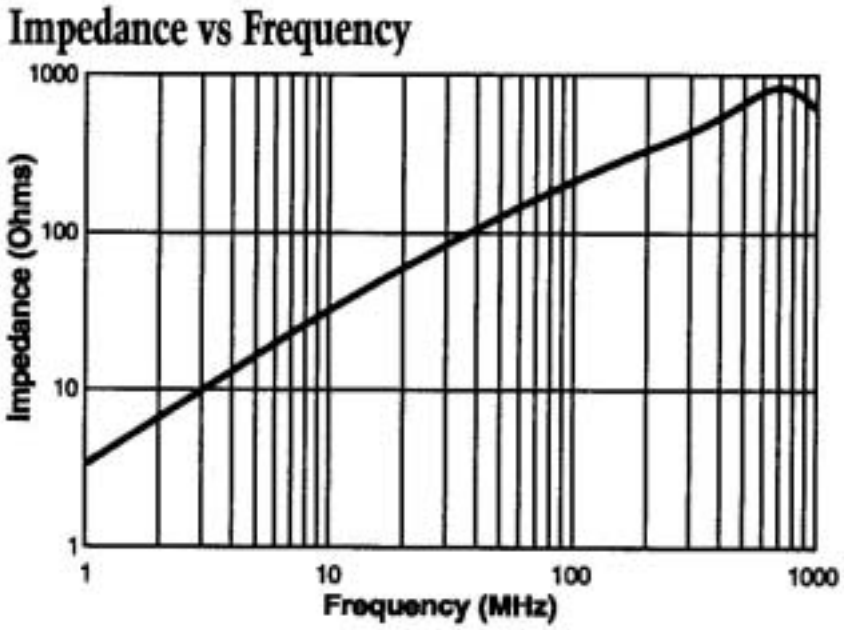


FIGURE 4

TABLE I. Electrical characteristics.

CID dash number AA59744-	Inductance Min (μH)	DCR Max (Ohms)	1/ IDC Max (mA)
001	0.22 @ 100 kHz	.105	1.5

1/ DC current rating for a 15°C rise.

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

7.3 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.

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

MFR's CAGE	MFR's name and address
02113	Coilcraft Inc 1102 Silver Lake Road Cary, Illinois 60013-1658 Phone number (847) 639-2361 Uniform Resource Locator (URL): www.coilcraft.com

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

TABLE III. P/N supersession data.

CID dash number (see table I) AA59744-	Vendor commercial PIN 1/ CAGE 99800
001	CM1394

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 P/N shown.

7.6 Government users. To acquire information on obtaining these coils from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CPAA, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7741.

MILITARY INTERESTS:

Custodians:
Navy - EC
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA - CC

Project 5950-1143