

1. SCOPE

1.1 Scope. This drawing describes the complete requirements for a cylindrical capacitor clamp.

1.2 Part or Identifying Number (PIN). The complete PIN shall be as follows:



2. APPLICABLE DOCUMENTS

2.1 Government document.

2.1.1 Specifications, standards, and handbooks. The following standard forms a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed cited in the solicitation (see 6.3).

2.2 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Design, construction, and physical dimensions. The design, construction, and physical dimensions shall be as specified herein.

3.1.1 Material and finish. Cold rolled steel, nickel or zinc electroplate, 0.00015 inch minimum thickness plus silver chromate post-treatment.

3.1.2 Clamp dimensions. The clamp dimensions shall be in accordance with figure 1 and table I.

3.2 Tin plated finishes. Tin plating is prohibited as a final finish or as an undercoat. Tin-lead (Sn-PB) finishes are acceptable provided that the minimum lead content is 3 percent.

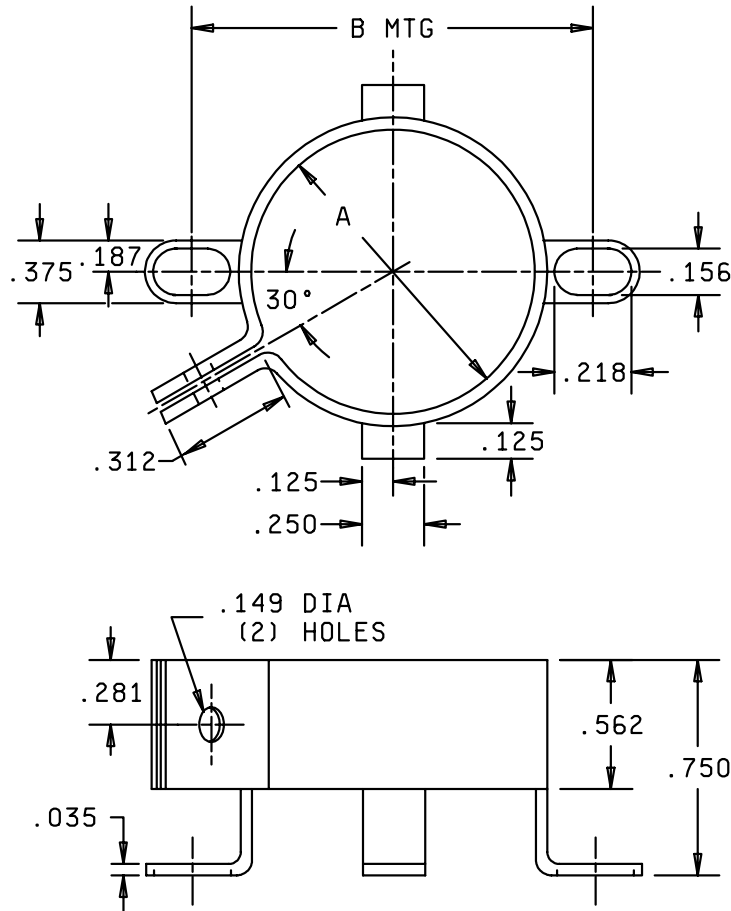
3.1.3 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

3.1.4 Certificate of compliance. A certificate of compliance shall be required from manufacturers requesting to be a suggested source of supply.

3.1.5 Workmanship. Clamps shall be free of burrs and sharp edges (see 4.1.2).

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Configuration A



NOTES:

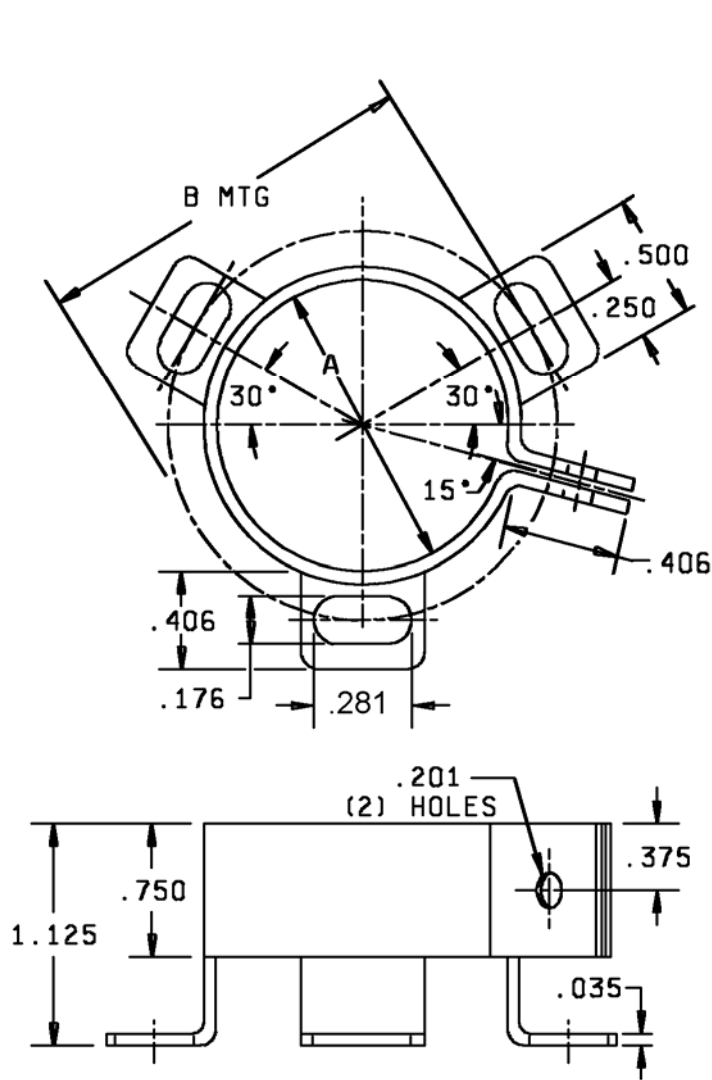
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.010 (0.25 mm) for three-place decimals and ± 0.02 (0.5 mm) for two-place decimals.

Inches	mm
.035	0.89
.125	3.18
.149	3.78
.156	3.96
.187	4.75
.218	5.54
.250	6.35
.281	7.14
.312	7.92
.375	9.52
.562	14.27
.750	19.05

FIGURE 1. Dimensions and configurations.

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Configuration B



Inches	mm
.035	0.89
.176	4.47
.201	5.11
.250	6.35
.281	7.14
.375	9.52
.406	10.31
.500	12.70
.750	19.05
1.125	28.58

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are $\pm .010$ (0.25 mm) for three-place decimals and $\pm .02$ (0.5 mm) for two-place decimals.

FIGURE 1. Dimensions and configurations - Continued.

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TABLE I. Clamp dimensions.

Part number	Configuration (see figure 1)	A dimension		B dimension	
		Inches	mm	Inches	mm
87008-01	A	1.000	25.40	1.438	36.53
87008-02	A	1.375	34.93	1.781	45.24
87008-04	A	1.750	44.45	2.188	55.58
87008-05	B	2.000	50.80	2.500	63.50
87008-06	B	2.500	63.50	3.000	76.20
87008-07	B	3.000	76.20	3.500	88.90

3.2 Marking. Marking shall be as specified in 1.2 with the manufacturer's name or CAGE code.

4. VERIFICATION

4.1 Conformance inspection.

4.1.1 Inspection of product for delivery. Inspection of product for delivery shall consist of the [group A inspection](#).

4.1.1.1 Group A inspection. [Group A inspection](#) shall consist of the inspections specified in table II in the order shown.

TABLE II. Group A inspection.

Inspection	Requirement paragraph	Test method paragraph	Sampling procedure
Visual and mechanical inspections			See table III
Material	3.1.1		
Dimensions	3.1.2	4.1.2	
Workmanship	3.1.5	4.1.2	

4.1.2 Visual and mechanical examination. Capacitor mounting clamps shall be examined to verify that the materials, design, construction, physical dimensions, marking, and workmanship are in accordance with the applicable requirements

TABLE III. Sampling plan for Group A inspection.

Lot size	Sample size
1 – 13	100%
14 – 125	13
126 – 150	13
151 – 280	20
281 – 500	29
501 – 1,200	34
1,201 – 3,200	42
3,201 – 10,000	50
10,001 – 35,000	60
35,001 – 150,000	74
150,001 – 500,000	90
500,001 and over	102

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5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When packaging of materiel is to be performed by DoD or in house personnel, these personnel need to contact the responsible packaging activity to ascertain packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military services system commands. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature which may be helpful, but is not mandatory.)

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

- a. Complete PIN (see 1.2).
- b. Requirements for notification of change of product to procuring activity, if applicable.
- c. Requirements for delivery of one copy of the conformance inspection data or certificate of compliance that parts have passed conformance inspection with each shipment of parts by the manufacturer.
- d. Requirements for packaging and packing (see 5.1).

6.2 Users of record. Coordination of this document for future revisions is coordinated only with the suggested sources of supply and the users of record of this document. Requests to be added as a recorded user of this drawing should be in writing to: Defense Supply Center, Columbus (DSCC), ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43218-3990, by e-mail to capacitorfilter@dla.mil , or by telephone (614) 692-0563 or DSN 850-0563.

6.3 Suggested source of supply. A suggested source of supply is listed herein. Additional sources will be added as they become available. For assistance in the use of this drawing, contact Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43218-3990, by e-mail to capacitorfilter@dla.mil , or by telephone (614) 692-0563 or DSN 850-0563.

DSCC drawing 87008-	Vendor similar designation or type number ^{1/}	Vendor CAGE
01	4586-97	7M138
02	4586-97A	7M138
04	4586-97C	7M138
05	4586-48	7M138
06	4586-1	7M138
07	4586-2	7M138

^{1/}Parts must be purchased to the DSCC PIN to assure that all performance requirements and tests are met.

Vendor CAGE
number

7M138

Vendor name
and address

United Chemi-Con
185 McNeil Road
Lansing, NC 28643-8301

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