

INCH-POUND

MIL-H-87111A
AMENDMENT 3
19 May 1995
SUPERSEDING
AMENDMENT 2
13 January 1988

MILITARY SPECIFICATION

HEAT SINKS, SEMICONDUCTOR DEVICES,
GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-H-87111A, dated 7 September 1984, and is approved for use by all Departments and Agencies of the Department of Defense.

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- * Title: Delete and substitute: "HEAT SINK, ELECTRICAL-ELECTRONIC COMPONENT, GENERAL SPECIFICATION FOR".
- * Beneficial comments block, delete and substitute:

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to:
Defense Electronics Supply Center, ATTN: DESC-ELDM, 1507 Wilmington Pike, Dayton, OH 45444-5765, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

PAGE 2

- * STANDARDS, MILITARY, delete "MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes."
- * STANDARDS, MILITARY, delete "MIL-STD-45662 - Calibration Systems Requirements."
- * 2.2, add the following ANSI publications:
 - "ANSI/NCSL Z540-1 - Calibration Laboratories and Measuring and Test Equipment.
 - ISO 10012-1 - Quality Assurance Requirements for Measuring Equipment - Part 1."

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3.15, delete and substitute:

"3.15 Marking. Heat sinks need not be marked."

- * 4.1.1, delete "MIL-STD-45662" and substitute "ANSI/NCSL Z540-1, ISO 10012-1, or equivalent".

4.2, add the following subparagraph:

"c. Qualification is not applicable to this specification."

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- * 4.5.1.2.1, delete and substitute:

"4.5.1.2.1 Sampling plan. A sample of parts shall be randomly selected in accordance with table III-1. If one or more defects are found, the lot shall be rescreened and the defective parts removed. After screening and removal of the defective parts, a new sample of parts shall be randomly selected in accordance with table III-1. If one or more defects are found in the second sample, the lot shall be rejected and shall not be supplied to this specification."

- * 4.5.1.2.2, delete in its entirety.

- * TABLE III, delete and substitute:

" TABLE III. Group A inspection.

Inspection	Requirement paragraph	Test method paragraph	Sampling plan
Visual and dimensional inspection	3.1, 3.5, 3.15, and 3.16	4.6.1	See table III-1
Mounting surface flatness (when specified, see 3.1)	3.6	4.6.2	
Surface roughness (when specified, see 3.1)	3.7	4.6.3	

- * After table III, add:

" TABLE III-1. Group A inspection sampling plan.

Lot size	Sample size
2 to 8	All
9 to 150	13
151 to 280	20
281 to 500	29
501 to 1,200	34
1,201 to 3,200	42
3,201 to 10,000	50

- * 4.5.1.3, add at the end of the paragraph:

"Group B inspection is required only when specified in the contract or purchase order."

- 4.5.1.3.1, delete and substitute:

"4.5.1.3.1 Sampling plan. Test 5 sample units out of every lot."

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- * 4.5.2.1, add at the end of the paragraph:

"Group C inspection is required only when specified in the contract or purchase order."

- 4.5.2.1.1, delete and substitute:

"4.5.2.1.1 Sampling plan. Test 5 sample units out of every lot."

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- * 6.2c, delete and substitute:

"The manufacturer shall perform the group B and group C inspections only when specified in the contract or purchase order."

The margins of this amendment are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

CONCLUDING MATERIAL

Custodians:

Army - ER
Navy - EC
Air Force - 85

Preparing activity:

DLA - ES

(Project 5999-0331)

Review activities:

Army - AR, AV, MI
Navy - AS, CG, MC, SH
Air Force - 19, 99