

INCH-POUND
MIL-PRF-83530B
AMENDMENT 1
15 June 2002

PERFORMANCE SPECIFICATION

RESISTORS, VOLTAGE SENSITIVE (VARISTOR, METAL-OXIDE), GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-PRF-83530B, dated 24 September 1999, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

Delete heading "MILITARY SPECIFICATION" and substitute "PERFORMANCE SPECIFICATION".

PAGE 2

2.2.1, Delete and substitute first parenthetical note:

"(Unless otherwise indicated, copies of the above specifications, standards, and handbooks are available from the Document Automation and Production Service, Building 4D (DPM-DODSSP), 700 Robbins Avenue, Philadelphia, PA 19111-5094)."

PAGE 3

3.4.1, Delete and Substitute

"3.4.1 Terminal leads. Terminal leads shall be made of a solid conductor of the length and diameter specified (see 3.1). They shall be treated to meet the requirements of solderability (see 3.14). When a tin lead solder coating is used, the tin content shall be between 40 percent and 70 percent."

PAGE 6

4.1b Delete "Quality conformance inspection" and Substitute "Conformance inspection".

MIL-PRF-83530B
AMENDMENT 1

PAGE 8

4.5, Title change delete "Quality conformance inspection" and substitute "Conformance inspection".

PAGE 21

40.12, Delete and substitute:

"40.12 Solder dip/retraining options. The manufacturer may solder dip/retin as follows:

- a. After the 100 percent group A screening tests. Following the solder dip/retraining process, the electrical measurements required in group A, subgroup 1, tests shall be repeated on the lot. The group A, subgroup 1, lot rejection criteria shall be used. Following these tests, the manufacturer shall submit the lot to the group A solderability test as specified in 4.6.9.
- b. As a corrective action, if the lot fails the group A solderability test: The lot may be retrained no more than two times. The lot after retraining shall be 100 percent screened for group A electrical requirements (dc resistance). Any parts failing (lot not exceeding PDA for group A, subgroup 1, see 4.5.1.2.1.1) these screens shall not be supplied to this specification. If electrical failures exceeding 1 percent of the lot are detected after the second retraining operation, the lot shall not be supplied to this specification.
- c. After the group A inspection has been completed: Following the solder dip/retraining process, the electrical measurements required in group A, subgroup 1, 100 percent screening test shall be repeated on 100 percent of the lot. The PDA for the electrical measurements shall be as for the subgroup 1 tests. Following these tests, the manufacturer shall submit the lot to the group A solderability test as specified in 4.5.1.2.1.3."

Custodians:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5905-1674)

Review activities:

Army - AR, AT, AV, CR4, MI
Navy - AS, CG, MC, OS
Air Force - 19