

INCH-POUND

MIL-PRF-18546F  
AMENDMENT 1  
7 December 2001

PERFORMANCE SPECIFICATION  
RESISTORS, FIXED, WIRE-WOUND  
(POWER TYPE, CHASSIS MOUNTED),  
GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-PRF-18546F, dated 18 May 2001, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 4

3.4.2, first line, delete "suitably".

3.4.3, delete first sentence; second sentence, delete "suitably".

PAGE 5

3.12, delete title "Thermal shock" and substitute "Low temperature operation".

PAGE 6

3.15, last line, between "no" and "of" add "evidence".

PAGE 8

Table III, group II, delete "Thermal shock" and substitute "Low temperature operation".

PAGE 14

4.7.8, delete title "Thermal shock" and substitute "Low temperature operation".

PAGE 15

4.7.11.1 sixth line; delete "There shall be no undue draft over the resistors." and substitute "There shall be no circulation of air over the resistors other than that caused by the heat of the resistors."

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PAGE 20

Appendix, 5.3, delete in its entirety and substitute:

“5.3 Solder dip/retraining options. The manufacturer may solder dip/retrain as follows:

- “a. After the group A screening tests: Following the solder dip/retraining process, the electrical measurements required in group A, subgroup 1, shall be repeated on of the lot (NOTE: The manufacturer may solder dip/retrain prior to the group A, subgroup 1 tests). The group A subgroup 1, lot rejection criteria shall be used. Following the test, the manufacturer shall submit the to the group A solderability test as specified in 4.7.3.
- “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 4.6.1.2) these screens shall not be supplied to this specification. If electrical failures are detected after the second retraining operation exceeding 1 percent of the lot, 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 dc resistance shall be repeated on 100 percent of the lot. The PDA for the electrical measurements shall be as for the subgroup 1 tests (see 4.6.1.2). Following these tests, the manufacturer shall submit the lot to the group A solderability test as specified in 4.7.3.”

Custodians:

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

Preparing activity:

DLA - CC

(Project 5905-1644)

Review activities:

Army - AR, MI  
Navy - MC  
Air Force - 99