

INCH-POUND

MIL-C-39018C
AMENDMENT 1
16 July 1993

MILITARY SPECIFICATION

CAPACITORS, FIXED, ELECTROLYTIC (ALUMINUM OXIDE),
ESTABLISHED RELIABILITY AND NON-ESTABLISHED RELIABILITY,
GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-C-39018C, dated 7 January 1991,
and is approved for use by all Department and Agencies of the
Department of Defense.

PAGE 5

Following 3.5.2.1.2, add:

"3.5.2.2 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 three percent (see 6.8)."

PAGE 9

3.29, delete in its entirety.

PAGE 14

TABLE II, group XI, delete in its entirety.

PAGE 23

TABLE VII, subgroup 3, delete in its entirety.

PAGE 34

4.6.26, delete in its entirety.

PAGE 35

Following 6.7, add:

"6.8 Tin plated finishes. Tin plating is prohibited (see 3.5.2.2) because it may result in tin whisker growth. Tin whisker growth could adversely affect the operation of electronic equipment systems. For additional information, see ASTM B545, "Standard Specification for Electrodeposited Coating of Tin"."

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CONCLUDING MATERIAL

Custodians:

Army - ER
Navy - EC
Air Force - 85

Review activities:

Army - MI
Navy - SH
Air Force - 17, 99
DLA - ES

User activities:

Navy - AS, CG, MC, OS
Air Force - 19

Preparing activity:
Navy - EC

Agent:
DLA - ES

(Project 5910-1839)