

MILITARY SPECIFICATION

MICROCIRCUITS, DIGITAL, LOW POWER SCHOTTKY TTL,
BINARY MULTIPLIER, CASCADABLE, MONOLITHIC SILICON

This amendment forms a part of Military Specification MIL-M-38510/318A, dated 9 August 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

Title: Delete and substitute as printed above in this amendment.

1.2.1, after binary multiplier, add: "Cascadable".

1.3, Thermal resistance, junction-to-case (θ_{JC}), delete in its entirety and substitute:

"Thermal resistance, junction-to-case (θ_{JC}):
Cases E and F - - - - - (See MIL-M-38510, appendix C)
Case 2- - - - - 60°C/W 2/"

1.3, after Junction temperature (T_J), add: "3/"

Under footnote 1/, add new footnotes 2/ and 3/ as follows:

"2/ When a thermal resistance value is included in MIL-M-38510, appendix C it shall supersede the value stated herein.

"3/ Maximum junction temperature shall not be exceeded except for allowable short duration burn-in screening condition per method 5004 of MIL-STD-883."

PAGE 2

3.2.3, delete and substitute:

"3.2.3 Schematic circuits. Schematic circuits shall be submitted to the preparing activity prior to inclusion of a manufacturer's device in the specification and shall be submitted to the qualifying activity and agent activity (DESC-ECS) as a prerequisite for qualification. All qualified manufacturers' schematics shall be maintained by the agent activity and will be available upon request."

PAGE 5

3.6, delete and substitute: "3.6 Marking. Marking shall be in accordance with MIL-M-38510."

TABLE II, Group A test requirements, Class B devices, add: "8".

PAGE 6

4.2c, delete and substitute: "c. The percent defective allowable (PDA) shall be as specified in MIL-M-38510."

4.4.3b(3): Delete "appendix B of MIL-M-38510 and".

PAGE 7

FIGURE 1, Device type 01: Delete "CASE X" and substitute "CASE 2".

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PAGE 11

TABLE III, column heading: Delete "Case X" and substitute "Case 2". Make this same change on pages 12 and 13.

PAGE 13

TABLE III, footnote 1/: Delete "Cases X and Y" and substitute "Case 2".

PAGE 14

6.1: Delete in its entirety.

Custodians:

Air Force - 17
Army - ER
Navy - EC

Preparing activity:

Air Force - 17
(Project 5962-0807)

Review activities:

Air Force - 11, 19, 85, 99
Army - AR, MI
Navy - OS, SH, TD
DLA - ES

User activities:

Army - SM
Navy - AS, CG, MC

Agent:

DLA - ES