

MILITARY SPECIFICATION

SEMICONDUCTOR DEVICE, TRANSISTOR, NPN, SILICON, SWITCHING
TYPES 2N914 AND TX2N914

This amendment forms a part of Military Specification MIL-S-19500/373A,
dated 10 August 1972, and is approved for use by all Departments and
Agencies of the Department of Defense.

Page 2

3.3.1 and 3.3.1.1, delete and substitute:

"3.3.1 Lead material and finish. Lead material shall be Kovar or Alloy 52. Lead finish shall be gold- or tin-plated. Where a choice of lead material and finish is desired, it shall be specified in the contract or order (see 6.2)."

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TABLE II, Group B inspection, Subgroup 2, Thermal shock, Details column: Add
"(see 4.3.5)".

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TABLE III, Group C inspection, Subgroup 2, Thermal shock, Details column: Add
"(see 4.3.5)".

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Add the following new paragraph:

"4.3.5 Thermal shock (temperature cycling). Samples that have been subjected to the group B thermal shock test may be continued on test to 25 cycles in order to satisfy group C thermal shock test requirements. These samples shall be pre-designated, and shall remain subjected to the group C 25-cycle acceptance evaluation after they have passed the group B 10-cycle acceptance criteria. The cumulative total of failures found during the 10-cycle test and during the subsequent interval up to 25 cycles shall be computed for the 25-cycle acceptance criteria. At the option of the manufacturer, group B samples may be continued on test without interruption for endpoint measurements through group C test requirements of 25 cycles."

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6.2, delete and substitute:

"6.2 Ordering data. Procurement documents should specify the following:

- (a) Lead material and finish if preference exists (see 3.3.1).
- (b) Inspection data (see 4.3)."

MIL-S-19500/373A
AMENDMENT 1

Custodians:

Army - EL
Navy - EC
Air Force - 17

Review activities:

Army - MC, MU
Navy -
Air Force - 11, 19, 80, 85
NASA - NA
DSA - ES

User activities:

Army - AV, SM
Navy - AS, CG, MC, OS, SH
Air Force - 13, 15

Preparing activity:

Air Force - 17

Agent:

DSA - ES

(Project 5961-0600)