MILITARY SPECIFICATION

SEMICONDUCTOR DEVICE
DIODE, GALLIUM ARSENIDE, MIXER
TYPES 1N5764, 1N5764M, 1N5764MR

This amendment forms a part of MILITARY SPECIFICATION MIL-S-19500/460(ER), dated 19 November 1971, and is approved by the U.S. Army Electronics Research and Development Command, Department of the Army and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 1

*After title add:

"[Inactive for new design after the date of this amendment]"

1.2, Barometric Pressure, delete "min" and substitute "MM".

PAGE 3

*3.6, add the following new paragraph:

"3.6 Manufacture eligibility. To be eligible to supply transistors to this specification, the manufacturer shall have a product assurance program approval in accordance with MIL-S-19500 for at least one line."

PAGE 4

4.2, Zm: Delete "J" and substitute "i".

*4.3, delete and substitute:

"4.3 Qualification inspection. Qualification inspection shall not be required."

*4.4.1: Delete and substitute:

"4.4.1 Group A inspection. Group A inspection shall consist of the examinations and tests specified in Table 1 on a 100 percent basis."

PAGE 5

4.5.4, delete "NRo" and substitute "N". Insert "1/G" before "Zif".

4.5.5, delete and substitute:

"4.5.5 Overall noise figure. The following parameters L, N, and F0 may be determined by the measurement of any suitable combination and the actual measured NFIF. When F0 is to be determined by calculation, where NFIF is assumed at 1.5 ± .25 dB, the measurement of both L and N parameter shall be required."

PAGE 6

* Table I, LTPD column: Delete in its entirety.

PAGE 7

Table II, subgroup 4, symbol column: Delete "F0" and substitute "F0".
Table III, subgroup 1, Details column: Delete "$R_e = 300 \text{ ohms}\$" and substitute "$R_e = 500\$".

"The margins of this amendment are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment."

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