

The documentation and process conversion measures necessary to comply with this amendment shall be completed by 1 November 2000.

INCH POUND

MIL-PRF-19500/436A  
AMENDMENT 2  
1 August 2000  
SUPERSEDING  
AMENDMENT 1  
13 September 1999

PERFORMANCE SPECIFICATION SHEET

SEMICONDUCTOR DEVICE, DIODE, SILICON, VOLTAGE-VARIABLE CAPACITOR  
TYPES 1N5461B THROUGH 1N5476B, AND 1N5461C THROUGH 1N5476C  
JAN, JANTX, AND JANTXV

This amendment forms a part of MIL-PRF-19500/436A, dated 28 June 1999 and is approved for use by all Departments and Agencies of the Department of Defense.

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\* 4.3 Screening table, delete and substitute as follows:

“

| Screen (see table IV of MIL-PRF-19500) | Measurements   |
|--|--|
|  | JANTX, JANTXV levels   |
| 2                                      | $T_A = +200^\circ\text{C}$ , 48 hours  |
| 10                                     | Not applicable   |
| 11                                     | $I_R$ :  |
| 12                                     | See 4.3.1  |
| 13                                     | Subgroup 2 of table I herein;<br>$\Delta I_R = 100$ percent of initial value or 10 nA dc whichever is greater. |

”

4.4.2, group B inspection, subgroup B6, conditions, delete "t = 1000 hrs" and substitute "t = 500 hrs,  $T_A = 200^\circ\text{C}$ ".

MIL-PRF-19500/436A  
AMENDMENT 2

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\* Table I, subgroup 2; delete entire  $I_{R2}$  test.

\* Table I, subgroup 3; delete subgroup and substitute as follows:

|                   |      |   |          |                    |                   |                  |
|-------------------|------|---|----------|--------------------|-------------------|------------------|
| <u>Subgroup 3</u> |      |   |          |                    |                   |                  |
| Reverse current   | 4016 | DC method; $V_R = 25$ V dc<br>$T_A = 150^\circ\text{C}$ | $I_{R2}$ | ---                | 20                | $\mu\text{A dc}$ |
| <u>Subgroup 4</u> |      |   |          |                    |                   |                  |
| Capacitance       | 4001 | $V_R = 4$ V dc; $f = 1$ MHz                             | C        | Col. 3<br>table II | Col 4<br>table II | pF               |
| Capacitance ratio | 4001 | $V_R = 2$ V dc to $V_R = 30$ V dc;<br>$f = 1$ MHz       | ---      | Col 5<br>table II  | Col 6<br>table II | ---              |
| Quality factor    | 4036 | $V_R = 4$ V dc;<br>$f = 50$ MHz                         | Q        | Col 7<br>table II  | ---               | ---              |

The margins of this amendment are marked with an asterisk to indicate where changes 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.

CONCLUDING MATERIAL

Custodians:  
Air Force - 11  
DLA - CC

Review activities:  
Air Force - 19

Preparing activity:  
DLA - CC

(Project 5961-2330)