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1010733 B

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
-	INITIAL RELEASE CLASS A PER TDRR 08768		<i>Stefan W. L.</i>
A	REVISED PER TDRR 10368		<i>W. L.</i>
B	REVISED PER TDRR 19132		<i>W. L.</i>

REQUIREMENTS:

1. GENERAL:
 - A. INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND REFERENCE DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRESCRIBED IN MIL-D-70327.
 - B. UNITS SHALL MEET THE REQUIREMENTS OF MIL-R-10509 STYLE RN55, CHARACTERISTIC E, TOLERANCE B; EXCEPT AS SPECIFIED HEREIN.
 - C. SUPPLIER SHALL CONFORM TO QUALITY ASSURANCE PROVISIONS SPECIFIED IN ND 1015404, CLASS 2.
 - D. UNITS SHALL BE CAPABLE OF MEETING THE QUALIFICATION REQUIREMENTS OF ND 1002057 UNLESS MODIFIED OR AMENDED BY THE DESIGN REQUIREMENTS SECTION OF THIS DRAWING.
 - E. UNIT PACKAGING AND PACKING SHALL BE IN ACCORDANCE WITH ND 1002129.

2. INSPECTION AND ACCEPTANCE:

- A. ELECTRICAL REQUIREMENTS:
 - (1) RESISTANCE VALUES: PER TABLE
 - (2) RESISTANCE TOLERANCE: SEE TABLE
- B. MECHANICAL REQUIREMENTS:
 - (1) MARKING: THE MANUFACTURER'S NAME OR SYMBOL (CAN BE CHARACTERISTIC COLOR), THE LAST THREE DIGITS OF THE NASA DRAWING NUMBER, DASH NUMBER, REVISION LETTER, AND SERIAL NUMBER, SHALL BE PERMANENTLY AND LEGIBLY MARKED ON THE PART PER ND1002019. THE MANUFACTURER'S PART OR TYPE NUMBER MAY APPEAR ON THE PART OR PACKAGE. MARKING OF UNIT PACKAGES AND SHIPPING CONTAINERS SHALL CONTAIN THE NASA DRAWING NUMBER, THE DASH NUMBER AND THE REVISION LETTER, OR LOT CODE NUMBER
 - (2) LEAD MATERIAL SHALL BE NICKEL PER ND 1015400. A CERTIFICATION OF COMPLIANCE WITH THIS REQUIREMENT SHALL ACCOMPANY EACH SHIPMENT.
- C. DIMENSIONS PER FIGURE.

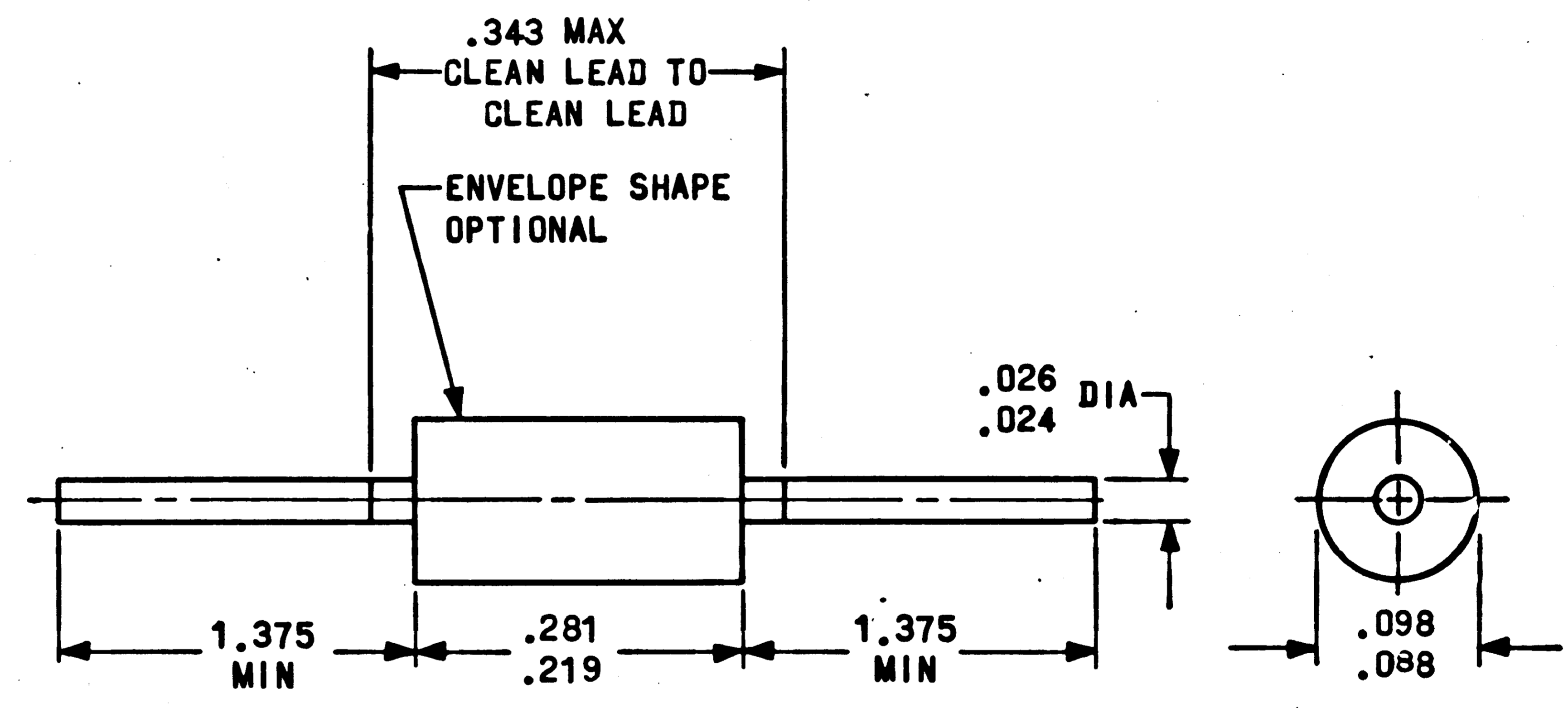
3. DESIGN REQUIREMENTS:

- A. PER MIL-R-10509 AS MODIFIED BY THIS DRAWING.
- B. POWER RATING: 0.10 WATT AT +125°C DERATED LINEARLY TO 175°C.
- C. TEMPERATURE COEFFICIENT: ± 25 PPM/°C (-55°C TO +175°C)
- D. MAX CONTINUOUS WORKING VOLTAGE: 200 VOLTS
- E. DIELECTRIC WITHSTANDING VOLTAGE: 750 VOLTS RMS

4. SPECIAL CONDITIONING BY SUPPLIER:

- A. EACH UNIT SHALL BE BURNED IN FOR 100 HOURS AT RATED POWER AT 125°C. THE RESISTANCE CHANGE SHALL NOT BE MORE THAN 0.1% FROM INITIAL MEASURED VALUE, OR OUT OF INITIAL TOLERANCE, AFTER BURN-IN THE BURN-IN DATA SHALL BE INCLUDED WITH EACH SHIPMENT. THE DATA SHALL BE PRESENTED IN A MANNER THAT PROVIDES POSITIVE IDENTIFICATION OF EACH INDIVIDUAL RESISTOR WITH THE INITIAL TEST READING, THE FINAL READING AND THE PERCENT CHANGE BETWEEN THE FINAL AND INITIAL READING. THE TEST DATA SUBMITTED SHALL ALSO IDENTIFY PARTS THAT FAIL TO MEET THE SPECIFIED REQUIREMENTS.

PROCURE ONLY FROM APPROVED SOURCES LISTED ON ND 1002034 FOR THIS DRAWING.



QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
LIST OF MATERIALS			
MIT INSTRUMENTATION LAB CAMBRIDGE MASS Contract NAS 9-497		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN <i>PATTERSON</i> DATE <i>2-FEB-64</i> CHECKED <i>FOSTER</i> DATE <i>6-FEB-64</i> APPROVAL <i>A. B. Foster</i> DATE <i>5/26/64</i>		RESISTOR, FIXED, FILM	
SPECIFICATION CONTROL DRAWING			
HEAT TREATMENT NONE		CODE IDENT NO. SIZE 80230 C	NASA DRAWING NO. 1010733
FINAL FINISH NONE		SCALE NONE WT	SHEET 1 OF 2

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C
B
A

D
C
B
A

1010733 B

