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**1. GENERALS:**

**REQUIREMENTS:**

**2. INSPECTION AND ACCEPTANCE**

A. ELECTRICAL REQUIREMENTS:

(1) RESISTANCE VALUE: PER TABLE
(2) RESISTANCE TOLERANCE: ≤ 1%

B. MECHANICAL REQUIREMENTS:

(1) LEADS: IRON NICKEL ALLOY COPPER CLAD GOLD PLATED PER NASA SPECIFICATION PS 1015401, A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL SHALL ACCOMPANY EACH LOT SHIPPED.

C. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS SPECIFIED IN ND 1015404, CLASS 2.

**3. DESIGN REQUIREMENTS:**

A. PER MIL-R-26 EXCEPT AS MODIFIED BY THIS DRAWING.
B. POWER RATING: 1 WATT AT +25°C, DERATED PER CHART.
C. TEMPERATURE COEFFICIENT: ± 30 PPM/°C UP TO +275°C.
D. EACH LEAD SHALL BE CAPABLE OF WITHSTANDING TWO (2) BENDS UNDER A TWO (2) POUND VERTICAL PULL (LEADS VERTICAL WITH RESPECT TO UNIT BODY), TWO (2) BENDS SHALL BE ACCOMPLISHED BY MOVING THE BODY OF THE UNIT, WHILE IN THE SAME PLANE, THROUGH 90° IN ONE DIRECTION, THEN BACK 180° TO THE OPPOSITE DIRECTION, THEN BACK 90° TO THE ORIGINAL POSITION, NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST.
E. MECHANICAL STRENGTH: PER MIL-R-26 EXCEPT 5 LB, MAX LOAD.

**4. SPECIAL CONDITIONING BY SUPPLIER:**

A. BURN-IN: UNITS SHALL BE BURNED-IN FOR 100 HRS AT 25°C AND RATED WATTAGE 1-1/2 HRS ON, 1/2 HR OFF, UNITS THAT EXCEED THE INITIAL TOLERANCE OR CHANGE MORE THAN .5% SHALL BE REJECTED.

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

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