REQUIREMENTS:

GENERAL:

1. UNITS SHALL BE CAPABLE OF MEETING THE APPLICABLE REQUIREMENTS OF MIL-R-93 CHARACTERISTIC C, EXCEPT AS AND IN ADDITION TO THE REQUIREMENTS SPECIFIED HEREIN.

2. PACKAGING: UNITS SHALL BE PACKAGED PER MIL-R-93, LEVEL A.

3. SUPPLIER SHALL CONFORM TO THE QUALITY ASSURANCE PROVISIONS OF NO. 1015404 OF MIL-R-93, CLASS 3.

4. INTERPRET DRAWING SYMBOLS, ABBREVIATIONS AND MILITARY DESIGNATIONS IN ACCORDANCE WITH GOVERNMENT STANDARDS PRESCRIBED IN MIL-D-76327.

INSPECTION AND ACCEPTANCE:

1. RESISTANCE VALUES: SEE TABLE.

2. RESISTANCE TOLERANCE: SEE TABLE.

3. LEAD DATA: UNITS SHALL HAVE WELDABLE GRADE A NICKEL LEADS PER NO. PS 103500, A CERTIFICATE OF COMPLIANCE OF LEAD MATERIAL SHALL ACCOMPANY EACH LOT SHIPPED.


DESIGN REQUIREMENTS:

1. POWER RATING: 1/2 WATT AT -120°C DERATED TO ZERO AT 140°C, EXCEPT AS NOTED.

2. MAXIMUM VOLTAGE RATING: 150 VOLTS.

3. STABILITY: 100 PPM/YEAR AT 25°C AT 1/2 RATED POWER.

4. TEMPERATURE RATING: MINUS 65°C TO PLUS 125°C.

5. 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 PLANE, 180° TO THE ORIENTED POSITION, NO MECHANICAL DAMAGE OR LACK OF PERFORMANCE SHALL BE EVIDENCED AFTER THE TEST, EACH LEAD SHALL BE CAPABLE OF WITHSTANDING AN AXIAL PULL OF FOUR (4) POUNDS MINIMUM.

SPECIAL CONDITIONING BY SUPPLIER:

1. BURN IN: 100 HOURS @ 125°C. REJECT ANY PART WHICH CHANGES MORE THAN 0.1% OR CANNOT MEET PURCHASE TOLERANCE.

2. RESISTANCE VALUES ABOVE 30K OHMS ARE NOT AVAILABLE, PER THE REQUIREMENTS OF THIS DRAWING AND MIL-R-93, USING .001 MIN. DIA. WIRE.

3. PROCURE ONLY FROM APPROVED SOURCES LISTED ON NO. 10007234 FOR THIS DRAWING.

4. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

5. UNLESS OTHERWISE SPECIFIED, TOLERANCES ON DECIMALS ARE ALLOWABLE.

6. DRAWING SYMBOLS AND UNITS SHALL BE PRESENTED IN THEIR ORIGINAL FORM, WHETHER OR NOT IN SCALE.

7. SEE NOTES:

8. MATERIAL:

9. HEAT TREATMENT:

10. NEXT ASSY & PART OR NOMENCLATURE OR INSTRUMENTATION LAB.

11. APPLICATION:

12. DO NOT SCALE THIS DRAWING.

13. DRAWN CHECKED.

14. APPROVED.

15. NEXT REV.

16. MANUFACTURED.

17. METHOD.

18. INSTRUMENTATION LAB.

19. MANNED SPACECRAFT CENTER.

20. HOUSTON, TEXAS.

21. CODE IDENT NO.

22. SIZE.

23. R-93, USING .001 MIN. DIA. WIRE.

24. UNLESS OTHERWISE SPECIFIED.

25. MANNED SPACECRAFT CENTER.

26. HOUSTON, TEXAS.

27. RESISTORS, FIXED.

28. WW, PRECISION.

29. SPECIFICATION CONTROL DRAWING.

30. NASA APPROVED.

31. NASA DRAWING NO.

32. C 1010377.