### GENERAL REQUIREMENTS:

- **A. Units shall meet the applicable requirements of MIL-R-93 Characteristic C;** except as and in addition to the requirements specified herein.
- **B. Resistance values;** see table.
- **C. Resistance tolerance:** see table.
- **D. Power rating:** 1/10 watt at 125°C.
- **E. Temperature coefficient:** 15 PPM/°C over operating range, except for values below 20 ohms which shall be 2.006% maximum.
- **F. Maximum voltage rating:** 150 volts.
- **G. Stability:** 100 PPM/year at 25°C at 1/2 rated power.
- **H. Temperature range:** minus 65°C to plus 125°C.

### CONSTRUCTION REQUIREMENTS:

- **A. Leads:** units shall have weldable grade A nickel leads per MIL-P-1015400.
  - A certificate of compliance of lead material shall accompany each lot shipped.
  - Each lead shall be capable of withstanding two (2) bends under a 1/2 (2) pound vertical pull (leads vertical with respect to unit body). Two (2) bends shall be accomplished by moving the body of the unit, until in the plane, through 90° in one direction, then back 180° in the opposite direction and back 90° to the original 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.
- **B. Marking:** Mark units per MIL-STD-130 with manufacturer's name and/or symbol, type number, resistance value and tolerance.
  - Marking of unit packages and exterior shipping containers shall include NASA number, dash number and revision letter.
- **C. Environmental requirements:**
  - Units shall be capable of meeting the environmental requirements of MIL-STD-150.
  - Burn-in: 100 hours @125°C @1/10 watt. Reject any part which changes more than 0.1% or cannot meet purchase tolerance.
  - Supplier shall conform to the quality assurance provisions of MIL-STD-150.
  - Interpret drawing in accordance with standards prescribed by MIL-D-70327.