



**\*\*NOTES:**  
- DWG NOT TO SCALE INCH (mm)  
- DIMENSIONS ARE NOMINAL

## ELECTRICAL CHARACTERISTICS

|   |            |
|---|------------|
| MAXIMUM STARTING VOLTAGE (volts)                | 850        |
| RECOMMENDED OPERATING VOLTAGE (volts)           | 900        |
| OPERATING VOLTAGE RANGE (volts)                 | 850 - 1000 |
| MAXIMUM DEAD TIME ( $\mu$ s)                    | 150        |
| MAXIMUM PLATEAU SLOPE (%/100 volts)             | 10         |
| MINIMUM ANODE RESISTOR (M $\Omega$ )            | 1          |
| RECOMMENDED ANODE RESISTOR (M $\Omega$ )        | 3.3        |
| GAMMA SENSITIVITY Cs <sup>137</sup> (cps/mR/hr) | 40         |
| MAX. BACKGROUND SHIELDED 50mmPb+3mmAl (cpm)     | 50         |
| TUBE CAPACITANCE (pF)                           | 5          |

## MECHANICAL CHARACTERISTICS

|  |                   |
|--|-------------------|
| NOMINAL ACTIVE LENGTH (inch/mm)        | 2.25 / 57.2       |
| WINDOW THICKNESS (mg/cm <sup>2</sup> ) | 1.8 to 2.2 , MICA |
| ACTIVE DIAMETER (inch/mm)              | 1.13 / 28.7       |
| CATHODE MATERIAL                       | Cr - Fe           |
| CATHODE WALL THICKNESS (inch/mm)       | 0.060 / 1.52      |
| OPERATING TEMPERATURE RANGE ( °C)      | -20 to 50 ° C     |
| FILL GAS                               | Ne/Ar + HALOGEN   |
| TYPE OF CONNECTOR                      | BNC               |
| APPROX. WEIGHT (grams)                 | 150               |
| MAXIMUM ALTITUDE (ft)                  | 8000              |

Rev. 0