

# 7121

Gamma detector



## GENERAL SPECIFICATIONS

|                                             |                     |
|---------------------------------------------|---------------------|
| <b>MAXIMUM LENGTH (INCH/MM)</b>             | 1.94/49.2           |
| <b>MAXIMUM DIAMETER (INCH/MM)</b>           | 0.59/15.1           |
| <b>GAS FILLING</b>                          | Ne +Halogen         |
| <b>EFFECTIVE LENGTH (INCH/MM)</b>           | 1.5/38.1            |
| <b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b> | 446 Stainless Steel |
| <b>EFFECTIVE DIAMETER (INCH/MM)</b>         | .36/9.1             |
| <b>CONNECTOR</b>                            | Pin                 |
| <b>OPERATING TEMPERATURE RANGE °C</b>       | -40 to +75          |

# WINDOW SPECIFICATIONS

|                              |                 |
|------------------------------|-----------------|
| MATERIAL                     | Stainless Steel |
| EFFECTIVE DIAMETER (INCH/MM) | 0.36/9.1        |

# ELECTRICAL SPECIFICATIONS

|                                                    |           |
|----------------------------------------------------|-----------|
| RECOMMENDED OPERATING VOLTAGE (VOLTS)              | 500       |
| RECOMMENDED ANODE RESISTOR (MEG OHM)               | 10        |
| OPERATING VOLTAGE RANGE (VOLTS)                    | 450 - 650 |
| MAXIMUM PLATEAU SLOPE (%/100 VOLTS)                | 6         |
| MINIMUM DEAD TIME (MICRO SEC)                      | 90        |
| GAMMA SENSITIVITY CO60 (CPS/mR/HR)                 | 18        |
| TUBE CAPACITANCE (PF)                              | 3         |
| WEIGHT (GRAMS)                                     | 8         |
| MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM) | 10        |
| MAXIMUM STARTING VOLTAGE (VOLTS)                   | 325       |





