

# 71217

Gamma Detector



## WINDOW SPECIFICATIONS

|                                     |                 |
|-------------------------------------|-----------------|
| <b>MATERIAL</b>                     | Stainless Steel |
| <b>THICKNESS (INCH/MM)</b>          | 0.010/0.254     |
| <b>EFFECTIVE DIAMETER (INCH/MM)</b> | 0.36/9.1        |

## GENERAL SPECIFICATIONS

|                                   |             |
|-----------------------------------|-------------|
| <b>MAXIMUM LENGTH (INCH/MM)</b>   | 2.86/72.6   |
| <b>MAXIMUM DIAMETER (INCH/MM)</b> | 0.59/15.1   |
| <b>GAS FILLING</b>                | Ne +Halogen |

|   |                     |
|---|---------------------|
| <b>EFFECTIVE LENGTH (INCH/MM)</b>           | 1.94/49.3           |
| <b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b> | 446 Stainless Steel |
| <b>CONNECTOR</b>                            | Pin                 |
| <b>OPERATING TEMPERATURE RANGE °C</b>       | -10 to +75          |

## **ELECTRICAL SPECIFICATIONS**

|   |           |
|---|-----------|
| <b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>              | 500       |
| <b>RECOMMENDED ANODE RESISTOR (MEG OHM)</b>               | 10        |
| <b>OPERATING VOLTAGE RANGE (VOLTS)</b>                    | 450 - 650 |
| <b>MAXIMUM PLATEAU SLOPE (%/100 VOLTS)</b>                | 6         |
| <b>MINIMUM DEAD TIME (MICRO SEC)</b>                      | 90        |
| <b>GAMMA SENSITIVITY CO60 (CPS/mR/HR)</b>                 | 27        |
| <b>WEIGHT (GRAMS)</b>                                     | 11        |
| <b>MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)</b> | 10        |
| <b>MAXIMUM STARTING VOLTAGE (VOLTS)</b>                   | 325       |
| <b>MINIMUM ANODE RESISTOR (MEG OHM)</b>                   | 3.3       |
| <b>CAPACITANCE (PF)</b>                                   | 3         |





