

# 49567

Low background alpha- beta – gamma flow proportional counter

## GENERAL SPECIFICATIONS

|   |             |
|---|-------------|
| <b>MAXIMUM LENGTH (INCH/MM)</b>             | 4.19/106.5  |
| <b>MAXIMUM DIAMETER (INCH/MM)</b>           | 3.0/76.2    |
| <b>GAS FILLING</b>                          | P10 (Flow)  |
| <b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b> | OFHC Copper |
| <b>EFFECTIVE DIAMETER (INCH/MM)</b>         | 2.0/50.8    |
| <b>CONNECTOR</b>                            | Pin         |
| <b>OPERATING TEMPERATURE RANGE °C</b>       | 0 to +50    |
| <b>PATH LENGTH (INCH/MM)</b>                | 0.354/8.99  |

## WINDOW SPECIFICATIONS

|  |                  |
|--|------------------|
| <b>MATERIAL</b>                          | Aluminized Mylar |
| <b>AREAL DENSITY (MG/CM<sup>2</sup>)</b> | 0.2              |
| <b>DIAMETER (INCH/MM)</b>                | 2.0/50.8         |

# ELECTRICAL SPECIFICATIONS

|  |             |
|--|-------------|
| CAPACITANCE (PF)                                   | 3           |
| BACKGROUND (ANTICOINCIDENCE +4 INCHES PB) (CPM)    | 1.0         |
| OPERATING VOLTAGE RANGE - BETA/GAMMA (VOLTS)       | 1300 - 1600 |
| OPERATING VOLTAGE RANGE - ALPHA (VOLTS)            | 900 - 1150  |
| RECOMMENDED OPERATING VOLTAGE - ALPHA (VOLTS)      | 1000        |
| RECOMMENDED OPERATING VOLTAGE - BETA/GAMMA (VOLTS) | 1450        |

