

45129

Beryllium side window proportional counter

## GENERAL SPECIFICATIONS

|                                      |                  |
|--------------------------------------|------------------|
| MAXIMUM LENGTH (INCH/MM)             | 7.02/178.4       |
| MAXIMUM DIAMETER (INCH/MM)           | 2.00/50.8        |
| GAS FILLING                          | Argon / Nitrogen |
| EFFECTIVE LENGTH (INCH/MM)           | 4.5/114.3        |
| CATHODE MATERIAL (INTERNAL/EXTERNAL) | Aluminum         |
| EFFECTIVE DIAMETER (INCH/MM)         | 1.88/47.8        |
| CONNECTOR                            | MHV              |
| OPERATING TEMPERATURE RANGE °C       | -40 to +75       |
| GAS PRESSURE (TORR)                  | 1520             |
| PATH LENGTH (INCH/MM)                | 1.88/47.8        |

## WINDOW SPECIFICATIONS

|          |           |
|----------|-----------|
| MATERIAL | Beryllium |
|----------|-----------|

|                                     |            |
|-------------------------------------|------------|
| THICKNESS (INCH/MM)                 | 0.002/0.05 |
| AREAL DENSITY (MG/CM <sup>2</sup> ) | 9.2        |
| DIAMETER (INCH/MM)                  | 1.0/25.4   |

## ELECTRICAL SPECIFICATIONS

|                                       |             |
|---------------------------------------|-------------|
| RECOMMENDED OPERATING VOLTAGE (VOLTS) | 2450        |
| OPERATING VOLTAGE RANGE (VOLTS)       | 2300 - 2600 |
| CAPACITANCE (PF)                      | 3           |
| TYPICAL RESOLUTION (FWHM FE55)        | 16          |



