

# 45493

Beryllium Side Window Proportional Counter

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	10.05/255.3
<b>MAXIMUM DIAMETER (INCH/MM)</b>	2.0/50.8
<b>GAS FILLING</b>	Xenon
<b>EFFECTIVE LENGTH (INCH/MM)</b>	7.7/195.6
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	1.88/47.8
<b>CONNECTOR</b>	MHV
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75
<b>GAS PRESSURE (TORR)</b>	800
<b>PATH LENGTH (INCH/MM)</b>	1.88/47.8

## WINDOW SPECIFICATIONS

<b>MATERIAL</b>	Beryllium
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<b>THICKNESS (INCH/MM)</b>	0.005/0.127
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	23
<b>DIMENSIONS (INCH/MM)</b>	1.0 x 3.25/25.4 x 82.6

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	1950
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	1850 - 2100
<b>CAPACITANCE (PF)</b>	3
<b>TYPICAL RESOLUTION (FWHM CD109)</b>	10

