

# 45447

Beryllium end window proportional counter

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	5.25/133.4
<b>MAXIMUM DIAMETER (INCH/MM)</b>	1.25/31.8
<b>GAS FILLING</b>	Xenon
<b>EFFECTIVE LENGTH (INCH/MM)</b>	3.94/100
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.90/22.8
<b>CONNECTOR</b>	Pin
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75
<b>GAS PRESSURE (TORR)</b>	760
<b>PATH LENGTH (INCH/MM)</b>	3.94/100.08

## WINDOW SPECIFICATIONS

<b>MATERIAL</b>	Beryllium
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THICKNESS (INCH/MM)	0.001/0.025
AREAL DENSITY (MG/CM <sup>2</sup> )	4.6
DIMENSIONS (INCH/MM)	0.25 x 0.90/6.35 x 22.9

## ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1800
OPERATING VOLTAGE RANGE (VOLTS)	1600 - 2050
CAPACITANCE (PF)	3
TYPICAL RESOLUTION (FWHM CD109)	10



