

# 42210

Quadrilateral side window proportional counter

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	3.56/90.4
<b>GAS FILLING</b>	Neon
<b>EFFECTIVE LENGTH (INCH/MM)</b>	1.25/31.8
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>CONNECTOR</b>	MHV
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75
<b>MAXIMUM WIDTH (INCH/MM)</b>	1.0/25.4
<b>GAS PRESSURE (TORR)</b>	800
<b>EFFECTIVE WIDTH (INCH/MM)</b>	0.75/19.1
<b>PATH LENGTH (INCH/MM)</b>	0.75/19.1

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	950
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<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	850 - 1050
<b>CAPACITANCE (PF)</b>	3
<b>TYPICAL RESOLUTION (FWHM FE55)</b>	20

## **EXIT WINDOW SPECIFICATIONS**

<b>MATERIAL</b>	Beryllium
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	9.2
<b>THICKNESS (INCH/MM)</b>	0.002/0.05
<b>DIMENSIONS (INCH/MM)</b>	0.19 x 0.81/4.8 x 20.6

## **ENTRANCE WINDOW SPECIFICATIONS**

<b>MATERIAL</b>	Beryllium
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	4.5
<b>THICKNESS (INCH/MM)</b>	0.001/0.025
<b>DIMENSIONS (INCH/MM)</b>	0.19 x 0.81/4.8 x 20.6

