

# 42418

Linear beryllium window position sensitive

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	7.37/187.2
<b>GAS FILLING</b>	Xenon
<b>EFFECTIVE LENGTH (INCH/MM)</b>	3.15/80.0
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>CONNECTOR</b>	Wire Lead
<b>ANODE</b>	Nichrome Wire 330 ohms/inch
<b>MAXIMUM WIDTH (INCH/MM)</b>	1.25/31.8
<b>MAXIMUM OPERATING TEMPERATURE °C</b>	50
<b>GAS PRESSURE (TORR)</b>	800
<b>EFFECTIVE WIDTH (INCH/MM)</b>	0.3/7.6
<b>PATH LENGTH (INCH/MM)</b>	0.24/6.1

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	1200
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	1100 - 1350
<b>MAXIMUM ENERGY RESOLUTION (%FWHM FE55)</b>	19
<b>POSITION RESOLUTION (MM)</b>	0.25

## **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>	0.3 x 3.15/7.62 x 80.0

## **ENTRANCE 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>	0.3 x 3.15/7.62 x 80.0

