

# 71417

High temperature energy compensated gm detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	1.45/36.9
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.37/9.3
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	0.63/15.9
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.19/4.83
<b>CONNECTOR</b>	Pin
<b>OPERATING TEMPERATURE RANGE °C</b>	-10 to +100

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	500
<b>RECOMMENDED ANODE RESISTOR (MEG OHM)</b>	3.3
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	450 - 650

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	15
MINIMUM DEAD TIME (MICRO SEC)	15
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	1.5
TUBE CAPACITANCE (PF)	3
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	2
MAXIMUM STARTING VOLTAGE (VOLTS)	380
MINIMUM ANODE RESISTOR (MEG OHM)	2.2

## FILTER SPECIFICATIONS

MATERIAL	Sn
THICKNESS (INCH/MM)	0.08/2.0

## WALL SPECIFICATIONS

THICKNESS (INCH/MM)	0.005/0.13
AREAL DENSITY (MG/CM <sup>2</sup> )	90





