

# 71332

Thin wall beta-gamma detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	1.85/47.0
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.31/7.9
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	1.10/27.9
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.306/7.77
<b>CONNECTOR</b>	Pin
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	500
<b>RECOMMENDED ANODE RESISTOR (MEG OHM)</b>	4.7
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	450 - 650

<b>MAXIMUM PLATEAU SLOPE (%/100 VOLTS)</b>	10
<b>MINIMUM DEAD TIME (MICRO SEC)</b>	45
<b>GAMMA SENSITIVITY CO60 (CPS/mR/HR)</b>	7.5
<b>TUBE CAPACITANCE (PF)</b>	3
<b>MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)</b>	4
<b>MINIMUM ANODE RESISTOR (MEG OHM)</b>	2.2

## **WALL SPECIFICATIONS**

<b>THICKNESS (INCH/MM)</b>	0.002/0.05
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	30

