

# 72121

Thin wall beta-gamma detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	5.0/127.0
<b>MAXIMUM DIAMETER (INCH/MM)</b>	1.38/35.0
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	2.5/63.5
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.63/63.5
<b>CONNECTOR</b>	8 Pin Octal Base
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	900
<b>RECOMMENDED ANODE RESISTOR (MEG OHM)</b>	1
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	850-1000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	10
MINIMUM DEAD TIME (MICRO SEC)	75
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	45
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	30
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	50
MAXIMUM STARTING VOLTAGE (VOLTS)	800

## WALL SPECIFICATIONS

THICKNESS (INCH/MM)	0.003/0.076
AREAL DENSITY (MG/CM <sup>2</sup> )	40-60



