

# 72527

Thin wall beta-gamma detector



## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	4.24/108.0
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.75/19.1
<b>GAS FILLING</b>	He + Organic
<b>EFFECTIVE LENGTH (INCH/MM)</b>	2.76/70.2
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.736/18.7
<b>CONNECTOR</b>	Grid Cap
<b>OPERATING TEMPERATURE RANGE °C</b>	-30 to +75

# ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	900
RECOMMENDED ANODE RESISTOR (MEG OHM)	1
OPERATING VOLTAGE RANGE (VOLTS)	850-1000
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	4
MINIMUM DEAD TIME (MICRO SEC)	200
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	40
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	20
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	40
MAXIMUM STARTING VOLTAGE (VOLTS)	800

# WALL SPECIFICATIONS

THICKNESS (INCH/MM)	0.007/0.178
AREAL DENSITY (MG/CM <sup>2</sup> )	47.8





