

# 72417

End window-alpha-beta-gamma detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	0.58/14.7
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.66/16.8
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	0.18/4.6
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.50/12.7
<b>CONNECTOR</b>	Pin
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75

## WINDOW SPECIFICATIONS

<b>MATERIAL</b>	Mica
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.50/12.7
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	2.0

# ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	500
RECOMMENDED ANODE RESISTOR (MEG OHM)	3.3
OPERATING VOLTAGE RANGE (VOLTS)	450 - 650
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	8
MINIMUM DEAD TIME (MICRO SEC)	20
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	4
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	10
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	4
MAXIMUM STARTING VOLTAGE (VOLTS)	350
MINIMUM ANODE RESISTOR (MEG OHM)	2.7





