

# 70510

End window-alpha-beta-gamma detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	3.0/76.2
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.62/15.8
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	0.25/6.35
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.08/2.0
<b>CONNECTOR</b>	BNC
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75

## WINDOW SPECIFICATIONS

<b>MATERIAL</b>	Mica
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.08/2.0
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	0.3 - 0.4

# ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	500
RECOMMENDED ANODE RESISTOR (MEG OHM)	10
OPERATING VOLTAGE RANGE (VOLTS)	450 - 600
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	15
MINIMUM DEAD TIME (MICRO SEC)	25
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	0.5
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	6
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	5
MAXIMUM STARTING VOLTAGE (VOLTS)	400



