

# 72327

End window-alpha-beta-gamma detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	1.93/49.1
<b>MAXIMUM DIAMETER (INCH/MM)</b>	1.31/33.3
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	1.45/36.8
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	1.13/28.6
<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>	1.13/28.6
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	2.0 - 3.0

# ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	500
RECOMMENDED ANODE RESISTOR (MEG OHM)	4.7
OPERATING VOLTAGE RANGE (VOLTS)	450 - 700
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	10
MINIMUM DEAD TIME (MICRO SEC)	230
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	50
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	51
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	25
MAXIMUM STARTING VOLTAGE (VOLTS)	375



