

# 7231

End window-alpha-beta-gamma detector



## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	0.89/22.6
<b>MAXIMUM DIAMETER (INCH/MM)</b>	1.31/33.3
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	0.48/12.2
<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>	1.5 - 2.0

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	500
<b>RECOMMENDED ANODE RESISTOR (MEG OHM)</b>	4.7
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	450 - 700
<b>MAXIMUM PLATEAU SLOPE (%/100 VOLTS)</b>	7
<b>MINIMUM DEAD TIME (MICRO SEC)</b>	30
<b>GAMMA SENSITIVITY CO60 (CPS/mR/HR)</b>	25
<b>TUBE CAPACITANCE (PF)</b>	3
<b>WEIGHT (GRAMS)</b>	30
<b>MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)</b>	18
<b>MAXIMUM STARTING VOLTAGE (VOLTS)</b>	375
<b>MINIMUM ANODE RESISTOR (MEG OHM)</b>	3.3







