

# 7225

End window alpha-beta-gamma detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	5.87/149.0
<b>MAXIMUM DIAMETER (INCH/MM)</b>	1.0/25.4
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	4.25/107.95
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.78/19.8
<b>CONNECTOR</b>	Grid Cap
<b>OPERATING TEMPERATURE RANGE °C</b>	-55 to +75

## WINDOW SPECIFICATIONS

<b>MATERIAL</b>	Mica
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.78/19.8
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	3.0 - 4.0

# ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	900
RECOMMENDED ANODE RESISTOR (MEG OHM)	1
OPERATING VOLTAGE RANGE (VOLTS)	850-1000
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	15
MINIMUM DEAD TIME (MICRO SEC)	100
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	45
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	92
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	60
MAXIMUM STARTING VOLTAGE (VOLTS)	800



