

# 7102

End window-alpha-beta-gamma detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	2.67/67.8
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.34/8.7
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	1.5/38.1
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.25/6.4
<b>CONNECTOR</b>	Grid Cap
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75

## WINDOW SPECIFICATIONS

<b>MATERIAL</b>	Mica
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.25/6.4
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	1.5 - 2.0

# ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	900
RECOMMENDED ANODE RESISTOR (MEG OHM)	3.3
OPERATING VOLTAGE RANGE (VOLTS)	850-1000
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	10
MINIMUM DEAD TIME (MICRO SEC)	50
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	10
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	14
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	10
MAXIMUM STARTING VOLTAGE (VOLTS)	800



