

7227

End window-alpha-beta-gamma-xray detector



GENERAL SPECIFICATIONS

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

WINDOW SPECIFICATIONS

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

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)	100
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	55
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	92
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	60
MAXIMUM STARTING VOLTAGE (VOLTS)	800







