

72242

End window alpha-beta-gamma detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	2.0/50.8
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
GAS FILLING	Ne +Halogen
EFFECTIVE LENGTH (INCH/MM)	1.46/37.1
CATHODE MATERIAL (INTERNAL/EXTERNAL)	446 Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.78/19.9
CONNECTOR	Pin
OPERATING TEMPERATURE RANGE °C	-40 to +75

WINDOW SPECIFICATIONS

MATERIAL	Mica
EFFECTIVE DIAMETER (INCH/MM)	0.78/19.9
AREAL DENSITY (MG/CM²)	1.5 - 2.0

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)	5
MINIMUM DEAD TIME (MICRO SEC)	160
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	32
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	34
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	15
MAXIMUM STARTING VOLTAGE (VOLTS)	350
MINIMUM ANODE RESISTOR (MEG OHM)	2.7





