

7185

Pancake mica window-alpha-beta-gamma detector



GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	2.25/57.2
MAXIMUM DIAMETER (INCH/MM)	3.1/78.7
GAS FILLING	Ne +Halogen
CATHODE MATERIAL (INTERNAL/EXTERNAL)	446 Stainless Steel/Aluminum
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-40 to +75
EFFECTIVE DEPTH (INCH/MM)	0.5/12.7
EFFECTIVE DIAMETER (INCH/MM)	1.75/44.5

WINDOW SPECIFICATIONS

MATERIAL	Mica
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EFFECTIVE DIAMETER (INCH/MM)	1.75/44.5
AREAL DENSITY (MG/CM ²)	2.0

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	900
RECOMMENDED ANODE RESISTOR (MEG OHM)	1
OPERATING VOLTAGE RANGE (VOLTS)	850-1000
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	10
MINIMUM DEAD TIME (MICRO SEC)	20
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	55
TUBE CAPACITANCE (PF)	3
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	30
MAXIMUM STARTING VOLTAGE (VOLTS)	750





