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7312

Pancake thin mica window-alpha-beta-gamma detector



GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	3.00/76.1
MAXIMUM DIAMETER (INCH/MM)	2.11/53.6
GAS FILLING	Ne +Halogen
CATHODE MATERIAL (INTERNAL/EXTERNAL)	446 Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	1.75/44.5
CONNECTOR	Grid Cap
OPERATING TEMPERATURE RANGE °C	-40 to +75

EFFECTIVE DEPTH (INCH/MM)	0.5/12.7
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WINDOW SPECIFICATIONS

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

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	500
RECOMMENDED ANODE RESISTOR (MEG OHM)	4.7
OPERATING VOLTAGE RANGE (VOLTS)	475-675
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	10
MINIMUM DEAD TIME (MICRO SEC)	40
GAMMA SENSITIVITY Cs-137 (CPS/mR/HR)	55
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	125
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	30
MAXIMUM STARTING VOLTAGE (VOLTS)	425
MINIMUM ANODE RESISTOR (MEG OHM)	3.3







