

7183

Mica window alpha-beta-gamma detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	11.62/295.2
MAXIMUM DIAMETER (INCH/MM)	2.11/53.59
GAS FILLING	Ne +Halogen
EFFECTIVE LENGTH (INCH/MM)	0.5/12.7
CATHODE MATERIAL (INTERNAL/EXTERNAL)	446 Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	1.75/44.45
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-40 to +75

WINDOW SPECIFICATIONS

MATERIAL	Mica
EFFECTIVE DIAMETER (INCH/MM)	1.75/44.45
AREAL DENSITY (MG/CM²)	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)	20
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	60
TUBE CAPACITANCE (PF)	20
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	30
MAXIMUM STARTING VOLTAGE (VOLTS)	750



