

7104

End window alpha-beta-gamma detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	2.67/67.8
MAXIMUM DIAMETER (INCH/MM)	0.34/8.7
GAS FILLING	Ar + Halogen
EFFECTIVE LENGTH (INCH/MM)	1.5/38.1
CATHODE MATERIAL (INTERNAL/EXTERNAL)	446 Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.25/6.4
CONNECTOR	Grid Cap
OPERATING TEMPERATURE RANGE °C	-40 to +75

WINDOW SPECIFICATIONS

MATERIAL	Mica
EFFECTIVE DIAMETER (INCH/MM)	0.25/6.4
AREAL DENSITY (MG/CM²)	1.5 - 2.0

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	900
RECOMMENDED ANODE RESISTOR (MEG OHM)	3.3
OPERATING VOLTAGE RANGE (VOLTS)	850 - 1050
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	10
MINIMUM DEAD TIME (MICRO SEC)	50
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	10
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	25
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	10
MAXIMUM STARTING VOLTAGE (VOLTS)	800



