
7231 End Window-Alpha-Beta-Gamma Detector

GENERAL SPECIFICATIONS

Gas filling	Ne +Halogen
Cathode material	446 Stainless Steel
Maximum length (inch/mm)	0.89/22.6
Effective length (inch/mm)	0.48/12.2
Maximum diameter (inch/mm)	1.31/33.3
Effective diameter (inch/mm)	1.13/28.6
Connector	Pin
Operating temperature range °C	-40 to +75

WINDOW SPECIFICATIONS

Areal density (mg/cm ²)	1.5-2.0
Effective diameter (inch/mm)	1.13/28.6
Material	Mica

ELECTRICAL SPECIFICATIONS

Recommended anode resistor (meg ohm)	4.7
Maximum starting voltage (volts)	375
Recommended operating voltage (volts)	500
Operating voltage range (volts)	450-700
Maximum plateau slope (%/100 volts)	7
Minimum dead time (micro sec)	30
Gamma sensitivity Co60 (cps/mr/hr)	25
Tube capacitance (pf)	3
Weight (grams)	30
Maximum background shielded 50mm Pb + 3mm Al (cpm)	18
Minimum anode resistor (meg ohm)	3.3





