

72231 End Window-Alpha-Beta-Gamma Detector***GENERAL SPECIFICATIONS***

Gas filling	Ne + Halogen
Cathode material	446 Stainless Steel
Maximum length (inch/mm)	5.87/149.0
Effective length (inch/mm)	4.25/107.95
Maximum diameter (inch/mm)	1.0/25.4
Effective diameter (inch/mm)	0.78/19.8
Connector	Grid Cap
Operating temperature range °C	-55 to +75

WINDOW SPECIFICATIONS

Areal density (mg/cm ²)	2.0
Effective diameter (inch/mm)	0.78/19.8
Material	Mica

ELECTRICAL SPECIFICATIONS

Recommended anode resistor (meg ohm)	4.7
Maximum starting voltage (volts)	780
Recommended operating voltage (volts)	900
Operating voltage range (volts)	850 - 1000
Maximum plateau slope (%/100 volts)	8
Minimum dead time (micro sec)	100
Gamma sensitivity Co60 (cps/mr/hr)	45
Tube capacitance (pf)	3
Weight (grams)	92
Maximum background shielded 50mm Pb + 3mm Al (cpm)	50



