

7102 End Window-Alpha-Beta-Gamma Detector***GENERAL SPECIFICATIONS***

Gas filling	Ne +Halogen
Cathode material	446 Stainless Steel
Maximum length (inch/mm)	2.67/67.8
Effective length (inch/mm)	1.5/38.1
Maximum diameter (inch/mm)	0.34/8.7
Effective diameter (inch/mm)	0.25/6.4
Connector	Grid Cap
Operating temperature range °C	-40 to +75

WINDOW SPECIFICATIONS

Areal density (mg/cm ²)	1.5 - 2.0
Effective diameter (inch/mm)	0.25/6.4
Material	Mica

ELECTRICAL SPECIFICATIONS

Recommended anode resistor (meg ohm)	3.3
Maximum starting voltage (volts)	800
Recommended operating voltage (volts)	900
Operating voltage range (volts)	850 - 1000
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)	14
Maximum background shielded 50mm Pb + 3mm Al (cpm)	10



