

7807 Energy Compensated Gm Detector***GENERAL SPECIFICATIONS***

Operating temperature range °C	-40 to +75
Maximum length (inch/mm)	10.62/269.7
Effective diameter (inch/mm)	0.786/20.0
Effective length (inch/mm)	9.45/240
Connector	Flying Lead
Maximum diameter (inch/mm)	1.04/26.4
Cathode material	446 Stainless Steel
Gas filling	Ne +Halogen

ELECTRICAL SPECIFICATIONS

Maximum plateau slope (%/100 volts)	15
Maximum background shielded 50mm Pb + 3mm Al (cpm)	90
Weight (grams)	350
Gamma sensitivity Co60 (cps/mr/hr)	160
Operating voltage range (volts)	450 - 650
Recommended anode resistor (meg ohm)	3.3
Maximum starting voltage (volts)	400
Recommended operating voltage (volts)	500
Tube capacitance (pf)	8
Minimum anode resistor (meg ohm)	2.7
Minimum dead time (micro sec)	210

FILTER SPECIFICATIONS

Material	Sn
Thickness (inch/mm)	0.093/2.36

WALL SPECIFICATIONS

Areal density (mg/cm ²)	252
Thickness (inch/mm)	0.012/.305





