



# NATIONAL

## 713/ZP1320

### THIN WALL BETA GAMMA DETECTOR



#### GENERAL SPECIFICATIONS

Gas Filling:	Ne + Halogen Admixture
Cathode Material:	446 Stainless Steel
Maximum Length: (inches/mm)	1.85/47.0
Effective Length: (inches/mm)	1.10/27.9
Maximum Diameter: (inches/mm)	0.36/9.3
Effective Diameter: (inches/mm)	0.306/7.77
Connector:	Pin
Operating Temperature Range: (°C)	-40 to +75

#### WALL SPECIFICATIONS

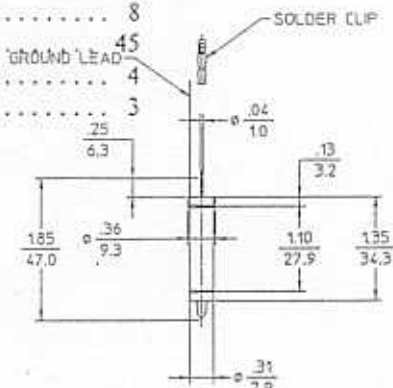
Areal Density: (mg/cm <sup>2</sup> )	30
Thickness: (inch/mm)	0.002/0.05

#### GAMMA SENSITIVITY

C/S/MR/hr (Co <sup>60</sup> )	7.5
-------------------------------	-----

#### ELECTRICAL SPECIFICATIONS

Minimum Anode Resistor: (mΩ)	2.2
Recommended Anode Resistor: (mΩ)	3.3
Maximum Starting Voltage: (volts)	380
Recommended Operating Voltage: (volts)	500
Operating Voltage Range: (volts)	450-650
Maximum Plateau Slope: (%/100 volts)	8
Minimum Dead Time: (μs)	45
Maximum Background: (Shielded 50mm Pb + 3mm Al)	4
Tube Capacitance: (pf)	3



## NATIONAL ELECTRONICS