



ZP1330

GAMMA DETECTOR

ZP1330 THIN WALL BETA GAMMA DETECTOR

The ZP1330 is a low voltage halogen quenched thin stainless steel wall beta/gamma radiation detector.

GENERAL SPECIFICATIONS

Gas Filling:	Neon + Halogen Admixture
Cathode Material:	446 Stainless Steel
Maximum Length: (inches/mm)	5.51 /139.95
Effective Length: (inches/mm)	3.88/98.55
Maximum Diameter: (inches/mm)	0.63/16
Effective Diameter: (inches/mm)	0.57/14.48
Connector:	Pin
Operating Temperature Range: (°C)	-40° to +75°

WALL SPECIFICATIONS

Areal Density: (mg/cm ²)	40-60
Thickness: (inches/mm)	0.003/0.076

ELECTRICAL CHARACTERISTICS

Recommended Anode Resistor: (mΩ)	2.7
Maximum Starting Voltage: (v)	400
Recommended Operating Voltage: (v)	500
Operating Voltage Range: (v)	450-800 volts
Plateau Slope: (%/ 100v)	2
Background Count Rate Shielded 50mm Pb 3mm Al. (CPM):	30
Dead Time: (μSec)	70
Capacitance: (pf)	4

Specifications subject to change without notice.

NATIONAL ELECTRONICS

A Division of Richardson Electronics, Ltd.
LaFox, IL 60147 (630) 208-2300