

# 78034

Gamma detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	12.77/324.4
<b>MAXIMUM DIAMETER (INCH/MM)</b>	1.37/34.8
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	9.45/240.0
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.786/20.0
<b>CONNECTOR</b>	BNC
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	500
<b>RECOMMENDED ANODE RESISTOR (MEG OHM)</b>	3.3
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	450 - 650

<b>MAXIMUM PLATEAU SLOPE (%/100 VOLTS)</b>	15
<b>MINIMUM DEAD TIME (MICRO SEC)</b>	200
<b>GAMMA SENSITIVITY CO60 (CPS/mR/HR)</b>	150
<b>TUBE CAPACITANCE (PF)</b>	3
<b>WEIGHT (GRAMS)</b>	350
<b>MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)</b>	90
<b>MAXIMUM STARTING VOLTAGE (VOLTS)</b>	400
<b>MINIMUM ANODE RESISTOR (MEG OHM)</b>	2.7

## FILTER SPECIFICATIONS

<b>MATERIAL</b>	Sn
<b>THICKNESS (INCH/MM)</b>	0.093/2.36

## WALL SPECIFICATIONS

<b>THICKNESS (INCH/MM)</b>	0.012/0.305
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	252





