

# 720

Thin wall beta-gamma detector



## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	3.76/95.4
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.63/16.0
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	0.75/19.1
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.61/15.5
<b>CONNECTOR</b>	Jedec A3-1
<b>OPERATING TEMPERATURE RANGE °C</b>	-40 to +75

## ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	900
RECOMMENDED ANODE RESISTOR (MEG OHM)	1
OPERATING VOLTAGE RANGE (VOLTS)	850-1000
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	10
MINIMUM DEAD TIME (MICRO SEC)	100
GAMMA SENSITIVITY CO60 (CPS/mR/HR)	12
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	20
MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)	15
MAXIMUM STARTING VOLTAGE (VOLTS)	800

## WALL SPECIFICATIONS

THICKNESS (INCH/MM)	0.003/0.076
AREAL DENSITY (MG/CM <sup>2</sup> )	40-60





