

# 7437

High temperature platinum plated gamma detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	9.5/241.3
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.63/16.0
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	8.25/209.5
<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>	-55 to +150

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	900
<b>RECOMMENDED ANODE RESISTOR (MEG OHM)</b>	4.7
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	850 - 1200

<b>MAXIMUM PLATEAU SLOPE (%/100 VOLTS)</b>	8
<b>MINIMUM DEAD TIME (MICRO SEC)</b>	100
<b>GAMMA SENSITIVITY CO60 (CPS/mR/HR)</b>	80
<b>TUBE CAPACITANCE (PF)</b>	3
<b>MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)</b>	50
<b>MAXIMUM STARTING VOLTAGE (VOLTS)</b>	775



