

# 5979

## QPL QUALIFIED

### END WINDOW-ALPHA-BETA-GAMMA DETECTOR

#### GENERAL SPECIFICATIONS

Gas Filling	Ne + Halogen
Cathode Material	446 Stainless Steel
Maximum Length (inch/mm)	5.87 / 149.0
Effective Length (inch/mm)	4.25 / 107.95
Maximum Diameter (inch/mm)	1.0 / 25.4
Effective Diameter (inch/mm)	0.78 / 19.8
Connector	Grid Cap
Operating Temperature Range °C	-55 to +75

#### WINDOW SPECIFICATIONS

Areal Density (mg/cm <sup>2</sup> )	3.0 - 4.0
Effective Diameter (inch/mm)	0.78 / 19.8
Material	Mica

#### ELECTRICAL SPECIFICATIONS

Recommended Anode Resistor (meg ohm)	1
Maximum Starting Voltage (volts)	640
Recommended Operating Voltage (volts)	700
Operating Voltage Range (volts)	660 - 860
Maximum Plateau Slope (%/100 volts)	15
Minimum Dead Time (micro sec)	100
Gamma Sensitivity Co <sup>60</sup> (cps/mR/hr)	45
Maximum Background Shielded 50mmPb + 3mmAl (cpm)	60
Tube Capacitance (pf)	3
Weight (grams)	92

