

# 52078

End window beta-gamma ionization chamber

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	2.50/63.5
<b>MAXIMUM DIAMETER (INCH/MM)</b>	1.75/44.5
<b>EFFECTIVE LENGTH (INCH/MM)</b>	1.62/41.0
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>FILL GAS</b>	Xenon
<b>FILL PRESSURE (TORR)</b>	2280
<b>ANODE CONNECTOR</b>	Solder Lug
<b>CATHODE CONNECTOR</b>	Solder Lug
<b>GUARD CONNECTOR</b>	Solder Lug
<b>STORAGE TEMPERATURE RANGE (°C)</b>	-40 to 100
<b>MINIMUM SHELF LIFE (YEARS)</b>	2

## WINDOW SPECIFICATIONS

<b>MATERIAL</b>	Aluminum
<b>THICKNESS (INCH/MM)</b>	.005/.127
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	1.44/36.5

## OPERATING CHARACTERISTICS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	500
<b>OPERATING TEMPERATURE RANGE °C</b>	25 to 85
<b>MAXIMUM OPERATING VOLTAGE (VOLTS)</b>	800
<b>GAMMA SENSITIVITY (A/R/HR - CO60)</b>	7.5E-11
<b>RESISTANCE - CATHODE TO GUARD (OHMS)</b>	>1.0E12
<b>RESISTANCE - SIGNAL TO GUARD (OHMS)</b>	>1.0E14

