
52038 End Window Beta-Gamma Ionization Chamber

GENERAL SPECIFICATIONS

Maximum diameter (inch/mm)	6.19/157.23
Maximum length (inch/mm)	6.63/168.4
Effective length (inch/mm)	4.5/114.3
Cathode material	Aluminum
Fill gas	Xenon
Fill pressure (torr)	2280
Anode connector	Threaded Pin
Cathode connector	Solder Pin
Guard connector	Flying Lead
Storage temperature range (°C)	-20 to +75
Minimum shelf life (years)	2

WINDOW SPECIFICATIONS

Material	Stainless Steel
Thickness (inches/mm)	0.002/0.05
Effective diameter (inches/mm)	5.69/144.5

OPERATING CHARACTERISTICS

Recommended operating voltage (volts)	500
Maximum operating voltage (volts)	1500
Operating temperature range (°C)	25 to 85
Gamma sensitivity (a/R/hr - Co60)	3.2E-9
Resistance - cathode to guard (ohms)	>1.0E13
Resistance - signal electrode to guard (ohms)	>1.0E13

