

Thin wall beta-gamma detector LND713

GENERAL SPECIFICATIONS

Maximum diameter (inch/mm) 3.0/76.2
Maximum length (inch/mm) 4.9/124.4
Effective length (inch/mm) 3.66/92.9
Cathode material Aluminum
Fill gas Argon
Fill pressure (torr) 800
Anode connector #6 - 32 thread
Cathode connector Solder Lug
Guard connector Solder Lug
Storage temperature range (°C) -40 to 100
Minimum shelf life (years) 2

WINDOW SPECIFICATIONS

Material Beryllium
Thickness (inches/mm) .005/.127
Effective diameter (inches/mm) 2.71/68.8

OPERATING CHARACTERISTICS

Recommended operating voltage (volts) 500
Maximum operating voltage (volts) 800
Operating temperature range (°C) 25 to 85
Gamma sensitivity (a/R/hr - Co60) 4.5E-11
Gamma sensitivity (Cs137) (a/R/hr) 5.2E-11
Resistance - cathode to guard (ohms) >1.0E12
Resistance - signal to guard (ohms) >1.0E14
Resistance - cathode to guard (ohms) >1.0E12







