

20240

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	9.44/239.7
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	4.94/125.4
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.38
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	200
EFFECTIVE VOLUME (CM³)	58.57

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	950
OPERATING VOLTAGE RANGE (VOLTS)	850 - 1100

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	6.5
WEIGHT (GRAMS)	200
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	1.3
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