

203

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

GAS PRESSURE (TORR)	700
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
MAXIMUM LENGTH (INCH/MM)	15.88/403.3
EFFECTIVE LENGTH (INCH/MM)	12.25/311.15
MAXIMUM DIAMETER (INCH/MM)	2.0/50.8
EFFECTIVE DIAMETER (INCH/MM)	1.87/47.49
CONNECTOR	HN
EFFECTIVE VOLUME (CM³)	603
OPERATING TEMPERATURE RANGE °C	-50 to +100

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	2150
OPERATING VOLTAGE RANGE (VOLTS)	1900 - 2400

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	600

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	40
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