

20012

Cylindrical BF3 Neutron Detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	7.50/190.5
MAXIMUM DIAMETER (INCH/MM)	0.29/7.4
GAS FILLING	BF3
EFFECTIVE LENGTH (INCH/MM)	6.0/152.4
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.25/6.35
CONNECTOR	Flying Lead
OPERATING TEMPERATURE RANGE °C	-50 to +200
GAS PRESSURE (TORR)	400

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	800
OPERATING VOLTAGE RANGE (VOLTS)	700 - 950

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2
WEIGHT (GRAMS)	75
CAPACITANCE (PF)	4

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.5
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