

2061

Cylindrical BF3 Neutron Detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	82.20/2087.8
MAXIMUM DIAMETER (INCH/MM)	6.0/152.4
EFFECTIVE LENGTH (INCH/MM)	77.02/1956.3
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	5.87/149.1
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	200
EFFECTIVE VOLUME (CM ³)	34,107

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1200
OPERATING VOLTAGE RANGE (VOLTS)	1000-2000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
WEIGHT (GRAMS)	8000
CAPACITANCE (PF)	17
MAXIMUM RESOLUTION (% FWHM)	30

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	TBD
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