

20357

Cylindrical BF3 Neutron Detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	16.88/427.9
MAXIMUM DIAMETER (INCH/MM)	2.0/50.8
EFFECTIVE LENGTH (INCH/MM)	14.77/375.2
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	1.96/49.78
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	400
EFFECTIVE VOLUME (CM ³)	730

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1800
OPERATING VOLTAGE RANGE (VOLTS)	1400-2000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2
WEIGHT (GRAMS)	600
CAPACITANCE (PF)	5
MAXIMUM RESOLUTION (% FWHM)	25

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	33.6
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