

20137

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	4.88/123.8
MAXIMUM DIAMETER (INCH/MM)	0.63/16.0
EFFECTIVE LENGTH (INCH/MM)	2.00/50.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.61/15.49
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-40 to +80
GAS PRESSURE (TORR)	400
EFFECTIVE VOLUME (CM ³)	9.5

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	900
OPERATING VOLTAGE RANGE (VOLTS)	800-1050

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	175
MAXIMUM RESOLUTION (% FWHM)	25

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.6
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