

2035

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	7.73/196.34
MAXIMUM DIAMETER (INCH/MM)	2.0/50.8
EFFECTIVE LENGTH (INCH/MM)	4.5/114.3
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	1.93/49.02
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	900
EFFECTIVE VOLUME (CM ³)	215.62

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	2500
OPERATING VOLTAGE RANGE (VOLTS)	2350 - 2700

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	180
MAXIMUM RESOLUTION (% FWHM)	50

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	21.5
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