

20132

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.28/159.6
MAXIMUM DIAMETER (INCH/MM)	0.5/12.7
EFFECTIVE LENGTH (INCH/MM)	2.5/63.5
CATHODE MATERIAL (INTERNAL/EXTERNAL)	1100 Aluminum
EFFECTIVE DIAMETER (INCH/MM)	0.44/11.18
CONNECTOR	SHV
OPERATING TEMPERATURE RANGE °C	-50 to +80
GAS PRESSURE (TORR)	550
EFFECTIVE VOLUME (CM ³)	6.23

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1350
OPERATING VOLTAGE RANGE (VOLTS)	1250 - 1500

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	85
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.28
----------------------	------

