

20280

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

GAS PRESSURE (TORR)	600
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
MAXIMUM LENGTH (INCH/MM)	3.46/87.8
EFFECTIVE LENGTH (INCH/MM)	2.02/51.3
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.38
CONNECTOR	Pin
CONNECTOR THREAD	11/16 - 24NF - 2A
OPERATING TEMPERATURE RANGE °C	-50 to +100
EFFECTIVE VOLUME (CM³)	23.95

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1300
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OPERATING VOLTAGE RANGE (VOLTS)	1200 - 1450
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2
MAXIMUM RESOLUTION (% FWHM)	10
TUBE CAPACITANCE (PF)	7

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	1.5
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