

20225

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	3.33/84.6
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	2.02/51.3
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.4
CONNECTOR	Pin
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	200
EFFECTIVE VOLUME (CM ³)	23.95
CONNECTOR THREAD	11/16 - 24NF - 2A

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	800
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OPERATING VOLTAGE RANGE (VOLTS)	700 - 950
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	7
WEIGHT (GRAMS)	38

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.5
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