

2042

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	82.20/2087.8
MAXIMUM DIAMETER (INCH/MM)	4.5/114.3
EFFECTIVE LENGTH (INCH/MM)	77.46/1967.36
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	4.37/111.0
CONNECTOR	SHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	700
EFFECTIVE VOLUME (CM ³)	19027

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	2600
OPERATING VOLTAGE RANGE (VOLTS)	2350-2850

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	N/A
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