

20354

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	16.88/427.9
MAXIMUM DIAMETER (INCH/MM)	2.0/50.8
EFFECTIVE LENGTH (INCH/MM)	14.77/375.2
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)	550

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	2250
OPERATING VOLTAGE RANGE (VOLTS)	2000 - 2700
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2

TUBE CAPACITANCE (PF)	5
WEIGHT (GRAMS)	600
MAXIMUM RESOLUTION (% FWHM)	45

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	44
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