

20264

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

GAS PRESSURE (TORR)	700
CATHODE MATERIAL (INTERNAL/EXTERNAL)	1100 Aluminum
MAXIMUM LENGTH (INCH/MM)	24.0/609.6
EFFECTIVE LENGTH (INCH/MM)	20.0/508.0
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE DIAMETER (INCH/MM)	0.936/23.77
CONNECTOR	HN
EFFECTIVE VOLUME (CM³)	225.40
OPERATING TEMPERATURE RANGE °C	-50 to +100

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1850
OPERATING VOLTAGE RANGE (VOLTS)	1750 - 2000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
MAXIMUM RESOLUTION (% FWHM)	15
TUBE CAPACITANCE (PF)	7
WEIGHT (GRAMS)	468

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	17.5
----------------------	------

