

20287

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

GAS PRESSURE (TORR)	880
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
MAXIMUM LENGTH (INCH/MM)	4.875/123.8
EFFECTIVE LENGTH (INCH/MM)	2.5/63.5
MAXIMUM DIAMETER (INCH/MM)	1.18/30.0
EFFECTIVE DIAMETER (INCH/MM)	1.05/26.67
CONNECTOR	Flying Lead
EFFECTIVE VOLUME (CM³)	35.46
OPERATING TEMPERATURE RANGE °C	-50 to +100

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1750
OPERATING VOLTAGE RANGE (VOLTS)	1500 - 2000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2
TUBE CAPACITANCE (PF)	7

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	3.45
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