202122

Cylindrical bf3 neutron detector

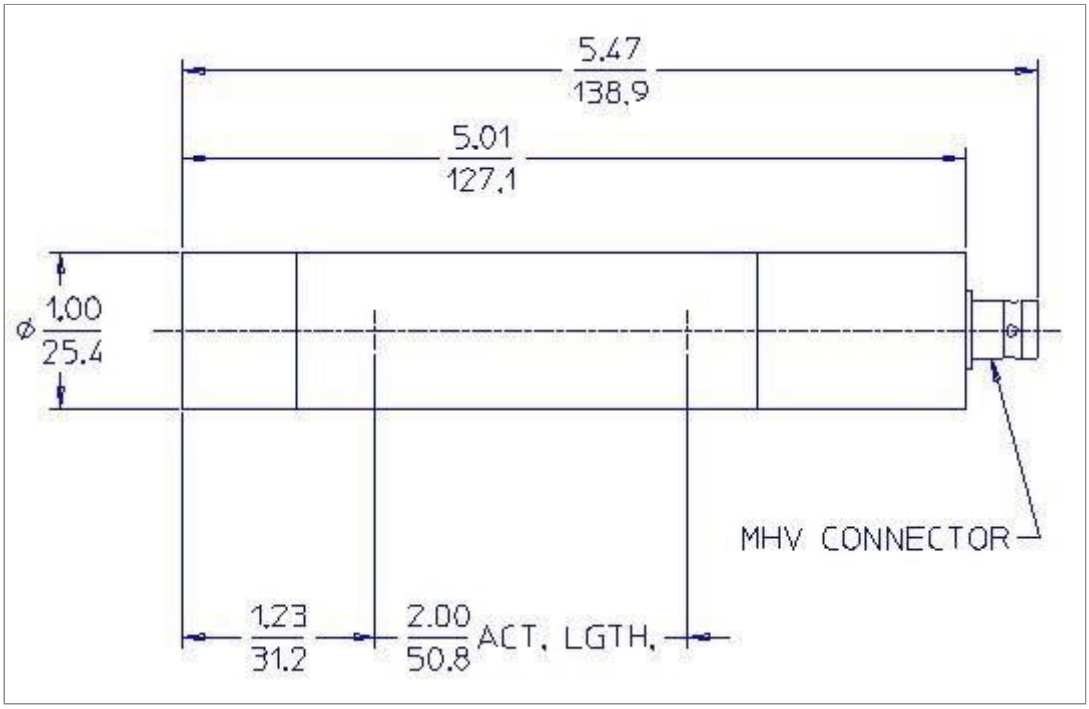
GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	5.47/138.94
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	2.0/50.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.93/23.62
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-50 to +75
GAS PRESSURE (TORR)	650
EFFECTIVE VOLUME (CM^3)	22.25

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1600
OPERATING VOLTAGE RANGE (VOLTS)	1500 - 1900

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	6.5
WEIGHT (GRAMS)	136
MAXIMUM RESOLUTION (% FWHM)	15

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.83