

# SBM-20

## GENERAL SPECIFICATIONS

Parameters	Value	Unit
Gas Filling	Ne + Br <sub>2</sub> + Ar	
Cathode Material	Stainless Steel, 50 mkm	
Maximum Length	108	mm
Effective Length	91	mm
Maximum Diameter	11	mm
Effective Diameter	10	mm
Connector	Pin	
Operating Temperature Range	-60 to +70	°C

## WALL SPECIFICATIONS

Parameters	Value	Unit
Areal Density	40	mg/cm <sup>2</sup>
Thickness	0.05	mm

## ELECTRICAL SPECIFICATIONS

Parameters	Value	Unit
Minimum Anode Resistor	1	MΩ
Recommended Anode Resistor	5.1	MΩ
Recommended Operating Voltage	400	V
Operating Voltage Range	350 - 475	V
Initial voltage	260 - 320	V
Plateau length	at least 100	V
Maximum Plateau Slope	10	%/V
Minimum Dead Time	190	ms
Working range	0.004 - 40	mkR/s
Working range	0.014 - 144	mR/h
Gamma Sensitivity Ra <sup>226</sup>	29	cps/mR/hr
Gamma Sensitivity Co <sup>60</sup>	22	cps/mR/hr
Inherent counter background	1	cps/mR/hr
Tube Capacitance	4.2	pF
Life	at least 2*10 <sup>10</sup>	pulses
Weight	10	g