

**PHOTONIS USA, INC. Specification**

Issue Date: 18JUN10

EC No. 10-6360

Subject: CEM 4823 COA G

P&S: 30121

Rev.: C

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**PHYSICAL CHARACTERISTICS**

**SPECIFICATIONS**

Mechanical Dimensions Defined by Drawing:	30121
Maximum Vacuum Bake Specification: (Not Operating)	8 Hours at 350° C at 1 x 10 <sup>-5</sup> Torr or Lower
Operating Temperature Range:	-50 ° to +120° C

**ELECTRICAL CHARACTERISTICS**

**SPECIFICATIONS**

Operation:	Pulse Counting
Maximum Operating Pressure:	5 x 10 <sup>-6</sup> Torr
Maximum Specified Operating Voltage:	3000 Volts
Bias Current Range (@ 3000 V):	25 to 45 µA
Resistance (For Reference Only):	66 to 120 MΩ
Minimum Gain (@ 3000 V):	1 x 10 <sup>8</sup>
Maximum Dark Current:	N/A
Maximum Dark Count at Voltage Required To Achieve 1.0 x 10 <sup>8</sup> Gain	120 counts in 60 seconds
Maximum Linear Output Current:	10 % of Bias Current (Typical)
Maximum Pulse Height Distribution:	75% Full Width Half Maximum

