PHOTONIS USA, INC. Specification

Issue Date: 18JUN10 EC No. 10-6360 Rev.: C

Subject: CEM 4823 COA G Page 1 of 1 Pages

P&S: 30121

PHYSICAL CHARACTERISTICS SPECIFICATIONS

Mechanical Dimensions Defined by Drawing: 30121

Maximum Vacuum Bake Specification: 8 Hours at 350°C at 1 x 10 -5 Torr or Lower

(Not Operating)

Operating Temperature Range: -50 ° to +120° C

ELECTRICAL CHARACTERISTICS SPECIFICATIONS

Operation: Pulse Counting

Maximum Operating Pressure: 5 x 10⁻⁶ Torr

Maximum Specified Operating Voltage: 3000 Volts

Bias Current Range (@ 3000 V): 25 to 45 μA

Resistance (For Reference Only): 66 to 120 $M\Omega$

Minimum Gain (@ 3000 V): 1 x 10 8

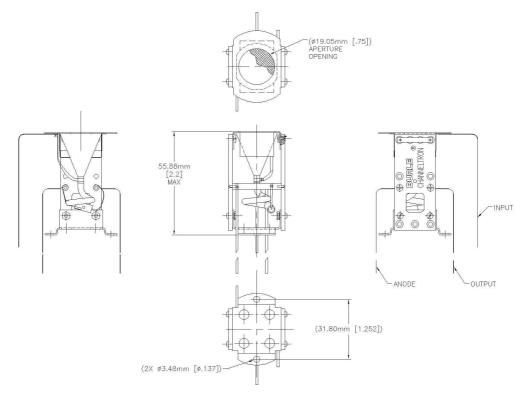
Maximum Dark Current: N/A

Maximum Dark Count at Voltage Required

To Achieve 1.0 x 108 Gain 120 counts in 60 seconds

Maximum Linear Output Current: 10 % of Bias Current (Typical)

Maximum Pulse Height Distribution: 75% Full Width Half Maximum



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