

Model HWEG-101304 Electron Gun Specifications

Model HWEG-101304M: M Type

Intercepting Gridded Pierce Gun

Description	Nominal Value
Cathode Voltage	11kV
Grid Cutoff	
Grid Drive	+161 Volts for 2.5 A @ 11 kV
Grid Current	12% of Beam Amps
Grid Power Dissipation	
Heater Voltage	6.3 Volts (nom)
Heater Current	2.1 Amps (nom)
Perveance	
Pulse Width	
Duty Cycle	
Beam Current	2.5 Amps

Vg/Vk approximate constant with constant perveance.



Optional 2 3/4" Conflat Flange Mount

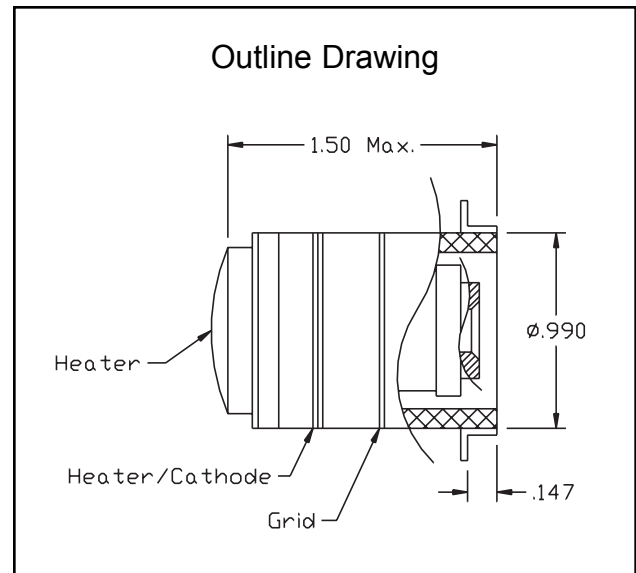
Mechanical Specifications

Cathode Diameter	0.300 inches
Cathode Spherical Radius	0.268 inches
Half Angle	34 degrees

Cathode Specifications

Cathode Type	Dispenser
Coating	M-Type coating
Mix	612 BaO, CaO, Al ₂ O ₃
Peak Emission Density	10 A/cm ² maximum

Outline Drawing



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