


SPECIFICATIONS:

- *METAL-SEALED, FULLY UHV COMPATIBLE, MEASURED BASE PRESSURE: 2×10^{-11} TORR.
- *POWER OUTPUT: 15kW/10kV 0 TO 1.5A; 20kW/10kV 0 TO 2.0A
- *CRUCIBLE VOLUME: 156cc
- *WEIGHT: 11 lbs.
- *FILAMENT: 12 VAC 60 A
- *ELECTRON BEAM: 270° DEFLECTION
- *BEAM SPOT SIZE: $\phi .25$ " (APPROXIMATE)
- *CRUCIBLE: OFE COPPER
- *BAKEOUT TEMPERATURE: 230° (446 °F)
- *WATER: 3.0 gpm (FILTERED) AT 70 PSI
- *MINIMUM WATER TUBE SIZE: $\phi 1/2$ "
- *PRESSURE DIFFERENTIAL: 50 PSI MINIMUM
- *X AND Y SWEEP (0 TO ABOVE 200 Hz)

NOTES:

- ALL WELDS TO BE VAC. TIGHT TO 2×10^{-11} MIN. SENSITIVITY.
- DIMENSIONS IN [X.XX] ARE IN mm.

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DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL \pm N/A ANGULAR: MACH \pm BEND $\pm .5^\circ$ ONE PLACE DECIMAL $\pm .1$ TWO PLACE DECIMAL $\pm .01$ THREE PLACE DECIMAL $\pm .005$ SURFACE FINISH 63 R.M.S.		FINISH:	 thermionics laboratory, inc.			DO NOT SCALE DRAWING	REVISION
DESIGN/ENG.		NAME	SIGNATURE	DATE	USED ON	NEXT ASSY.	TITLE: HM2(TM) e-GUN(TM) 156cc, OUTLINE DRAWING
CHK'D						FINAL	
APPV'D							
MFG							
Q.A					MATERIAL:		DWG NO.
							113297
					WEIGHT: ~15.2		SCALE: 1:3
							SHEET 1 OF 1

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