


SPECIFICATIONS:
*POWER OUTPUT: 10kW/10kV 0 TO 1.0A
*CRUCIBLE VOLUME: 15cc
*WEIGHT: 5 lbs.
*FILAMENT: 12 VAC 60 A
*ELECTRON BEAM: 270° DEFLECTION
*BEAM SPOT SIZE: $\phi .25"$ (APPROXIMATE)
*CRUCIBLE: OFHC COPPER
*BAKEOUT TEMPERATURE: 230° (446°F)
*WATER: 3.0 gpm (FILTERED) AT 70 PSI
*MINIMUM WATER TUBE SIZE: $\phi 5/16"$
*PRESSURE DIFFERENTIAL: 50 PSI MINIMUM
*X AND Y SWEEP (0 TO ABOVE 200 Hz)

NOTES:
1. ALL WELDS TO BE VAC. TIGHT TO 2×10^{-10} MIN. SENSITIVITY.
2. 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	
<i>thermionics laboratory inc. 3118 Depot Rd., Hayward Ca. 94545</i>											
		NAME		SIGNATURE		DATE		USED ON		NEXT ASSY.	
DESIGN/ENG.										GEN. USE	
CHK'D											
APPV'D											
MFG											
Q.A						MATERIAL:		DWG NO.		113875	
						WEIGHT:		SCALE:1:2		SHEET 1 OF 1	