


**SPECIFICATIONS:**  
 \*POWER OUTPUT: 6 kW/7.5kV 0 TO 800mA  
 \*CRUCIBLE VOLUME: 7 cc  
 \*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)

**PROPRIETARY AND CONFIDENTIAL**  
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THERMIONICS LABORATORY INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THERMIONICS LABORATORY INC. IS PROHIBITED.

DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm$ N/A ANGULAR: MACH $\pm$ BEND $\pm$ .5° ONE PLACE DECIMAL $\pm$ .1 TWO PLACE DECIMAL $\pm$ .01 THREE PLACE DECIMAL $\pm$ .005 SURFACE FINISH $\sqrt{63}$ R.M.S.		FINISH:				DO NOT SCALE DRAWING	REVISION																													
<table border="1"> <tr><td>DESIGN/ENG.</td><td>NAME</td><td>SIGNATURE</td><td>DATE</td><td>USED ON</td><td>NEXT ASSY.</td></tr> <tr><td>CHK'D</td><td></td><td></td><td></td><td></td><td>FINAL</td></tr> <tr><td>APPV'D</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>MFG</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Q.A</td><td></td><td></td><td></td><td></td><td></td></tr> </table>		DESIGN/ENG.				NAME	SIGNATURE	DATE	USED ON	NEXT ASSY.	CHK'D					FINAL	APPV'D						MFG						Q.A							<b>thermionics laboratory inc.</b> <b>Hayward Ca. 94545</b>
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CHK'D					FINAL																															
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						<b>HM2 e-GUN(TM) 6 kW</b> <b>7 cc, VCR MALE FITTINGS,</b> <b>OUTLINE DRAWING,</b> <b>0607</b>																														
			MATERIAL:			DWG NO.	A3																													
			WEIGHT: ~5.5 lbs.			SCALE: 1:2	SHEET 1 OF 1																													
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