


- SPECS.**
- * MAXIMUM POWER 10kW
 - * EMISSION VOLTAGE -6 TO -10kV
 - * EMISSION CURRENT 0 TO 1A
 - * FILAMENT 700W
 - * e-BEAM DEFLECTION 270°
 - * BEAM SPOT SIZE Ø.25", TIGHT BEAM
 - * WATER 3 GPM, 20°C, 50 PSI PRESSURE DIFFERENTIAL
 - * BAKEOUT TEMPERATURE 120°C (248°F)

- NOTES:**
1. ALL DIMENSIONS IN [X.XX] ARE IN mm.
 2. ALL WELDS TO BE VAC. TIGHT TO 2×10^{-10} MIN. SENSITIVITY.
 3. APPROXIMATE WEIGHT 40 lbs.

PROPRIETARY AND CONFIDENTIAL
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|--|--|-----------|--|--|--|----------------------|--|-----------------------|--|--|--|
| DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± N/A ANGULAR: MACH ± BEND ± .5° ONE PLACE DECIMAL ± .1 TWO PLACE DECIMAL ± .01 THREE PLACE DECIMAL ± .005 SURFACE FINISH 63 R.M.S. | | FINISH: | |  thermionics laboratory, inc. | | DO NOT SCALE DRAWING | | REVISION | | | |
| DESIGN/ENG. | | SIGNATURE | | | | DATE | | USED ON | | NEXT ASSY. | |
| CHK'D | | | | | | | | | | TITLE: HCR e-GUN(TM), 8-POCKET OUTLINE DRAWING | |
| APPV'D | | | | | | | | | | | |
| MFG | | | | | | | | | | | |
| Q.A | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | MATERIAL: | | DWG NO. 113826 | | | |
| | | | | | | | | | | | |
| | | | | | | | | A3 | | | |
| | | | | | | | | | | | |
| | | | | | | WEIGHT: | | SCALE: 1:3 | | | |
| | | | | | | | | SHEET 1 OF 1 | | | |