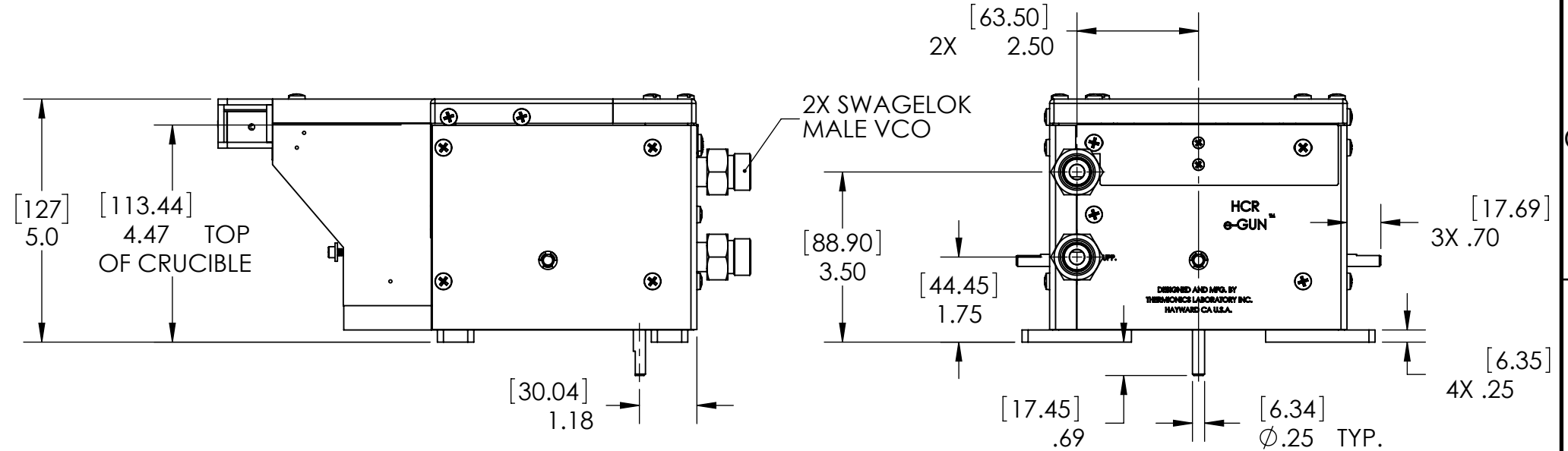
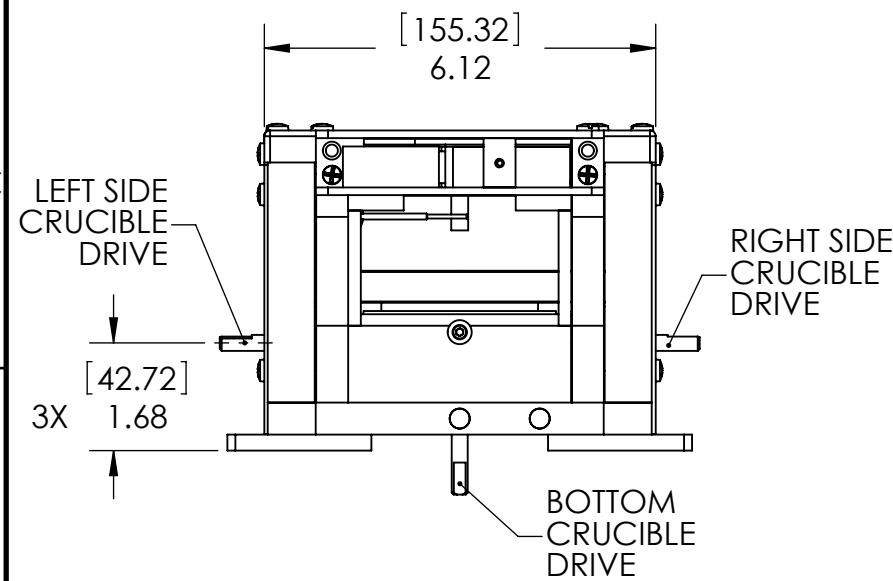
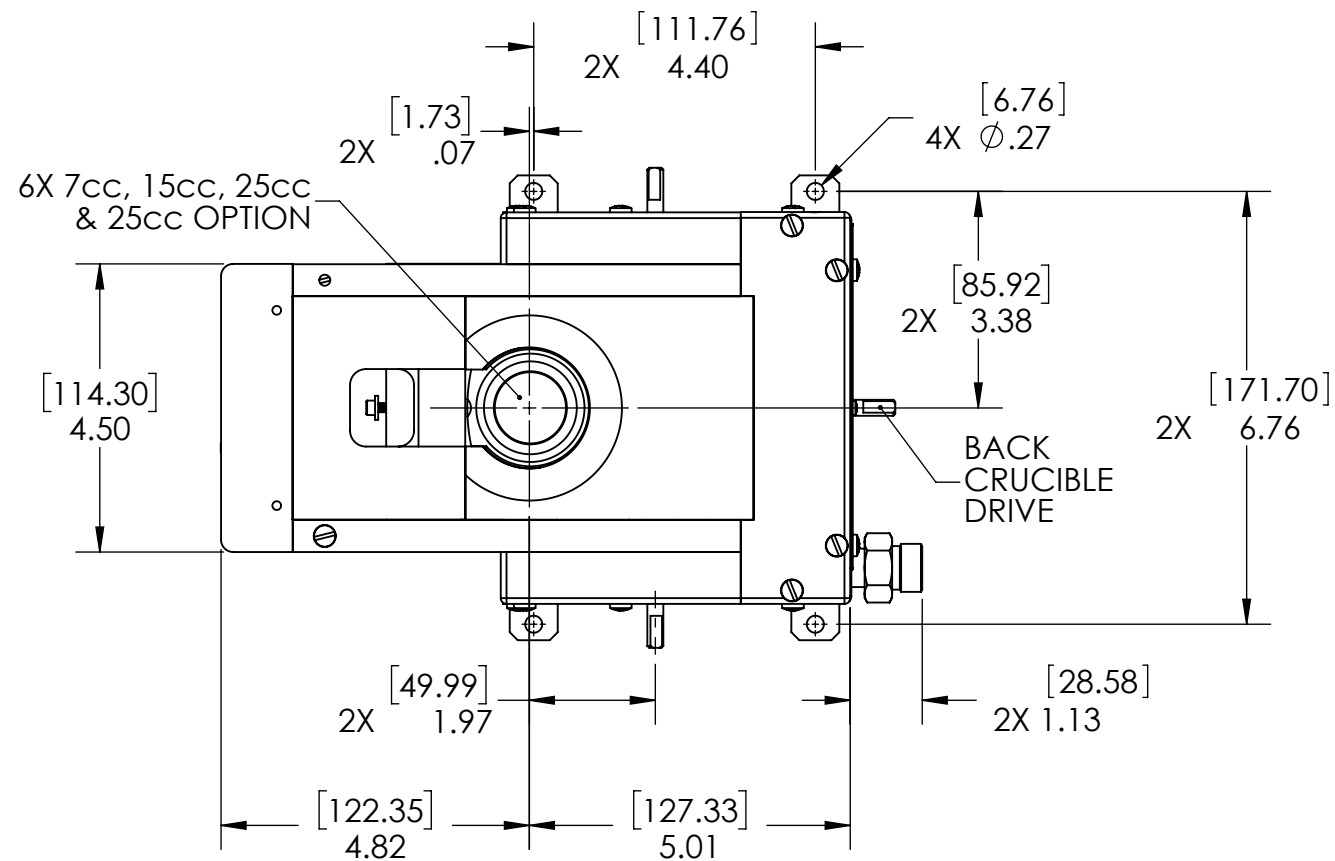
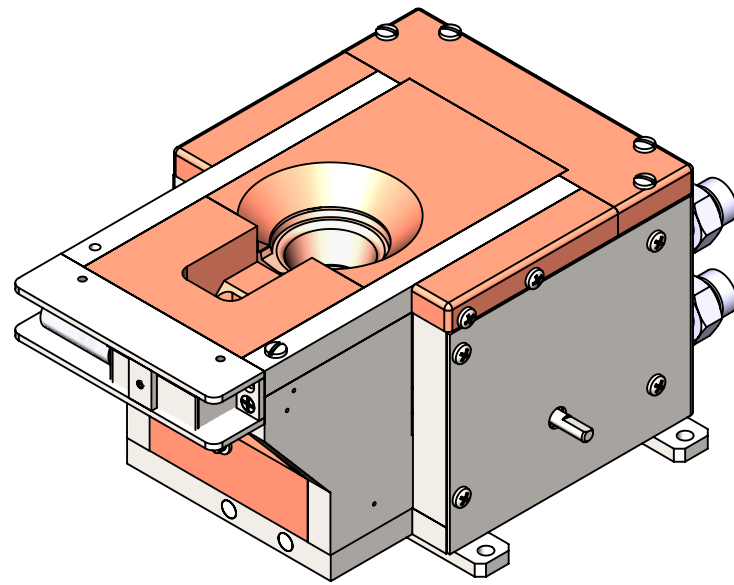




SPECS.  
 \* MAXIMUM POWER 10kW  
 \* EMISSION VOLTAGE -6 TO -10kV  
 \* EMISSION CURRENT 0 TO 1A  
 \* FILAMENT 700W  
 \* e-BEAM DEFLECTION 270°  
 \* BEAM SPOT SIZE Ø.25", TIGHT BEAM  
 \* WATER 3 GPM, 20°C, 50 PSI PRESSURE DIFFERENTIAL  
 \* BAKEOUT TEMPERATURE 120°C (248°F)

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

**PROPRIETARY AND CONFIDENTIAL**  
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|                                                                                                                                                                                                         |  |         |                                                                                                                              |      |                    |                      |                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|------------------------------------------------------------------------------------------------------------------------------|------|--------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>FRACTIONAL ± N/A<br>ANGULAR: MACH ± BEND ± 5°<br>ONE PLACE DECIMAL ± .1<br>TWO PLACE DECIMAL ± .01<br>THREE PLACE DECIMAL ± .005<br>SURFACE FINISH 63 R.M.S. |  | FINISH: | <br><b>thermionics laboratory, inc.</b> |      |                    | DO NOT SCALE DRAWING | REVISION                                                                                                                                                  |
| DESIGN/ENG.                                                                                                                                                                                             |  | NAME    | SIGNATURE                                                                                                                    | DATE | USED ON            | NEXT ASSY.           | <b>thermionics laboratory inc.</b><br><b>3118 Depot Rd., Hayward Ca. 94545</b><br>TITLE:<br><b>HCR e-GUN(TM), 6-POCKET<br/>           OUTLINE DRAWING</b> |
| CHK'D                                                                                                                                                                                                   |  |         |                                                                                                                              |      | GEN. USE           | FINAL                |                                                                                                                                                           |
| APPV'D                                                                                                                                                                                                  |  |         |                                                                                                                              |      |                    |                      |                                                                                                                                                           |
| MFG                                                                                                                                                                                                     |  |         |                                                                                                                              |      |                    |                      |                                                                                                                                                           |
| Q.A.                                                                                                                                                                                                    |  |         |                                                                                                                              |      | MATERIAL:          |                      | DWG NO.                                                                                                                                                   |
|                                                                                                                                                                                                         |  |         |                                                                                                                              |      |                    |                      | 113825                                                                                                                                                    |
|                                                                                                                                                                                                         |  |         |                                                                                                                              |      | WEIGHT: ~50.6 lbs. |                      | SCALE: 1:3                                                                                                                                                |
|                                                                                                                                                                                                         |  |         |                                                                                                                              |      |                    |                      | SHEET 1 OF 1                                                                                                                                              |

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