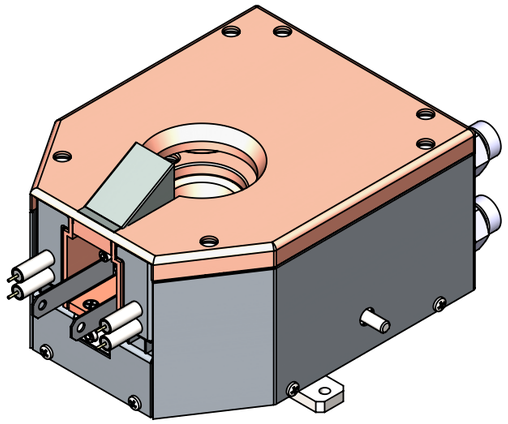

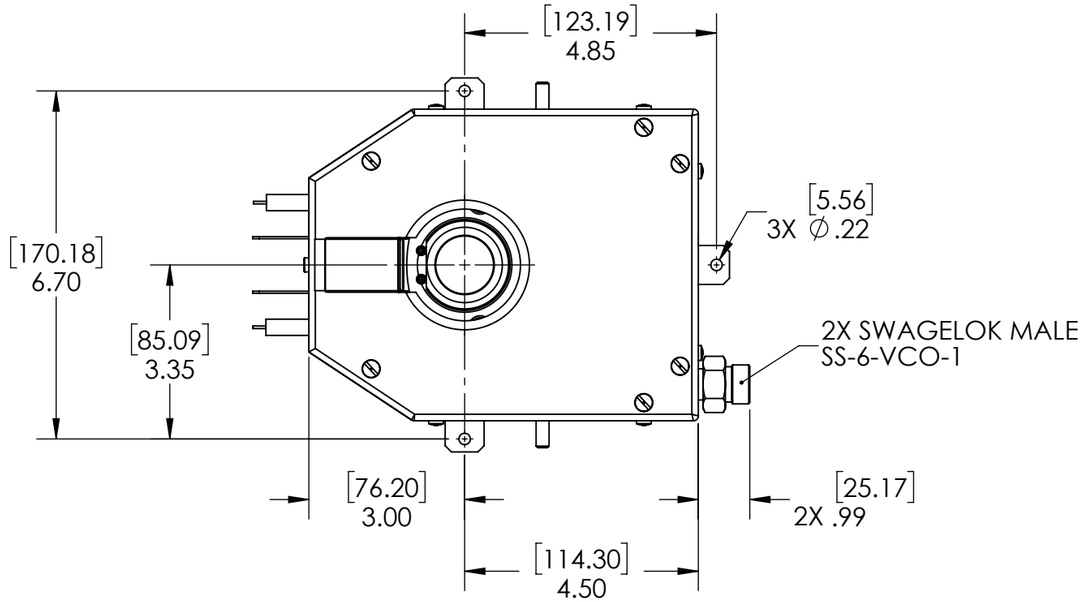

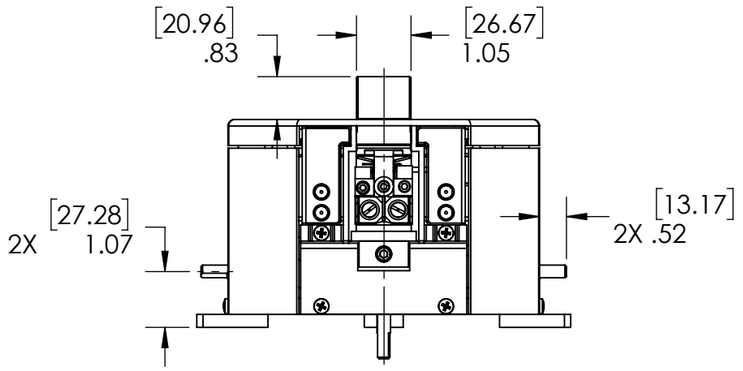

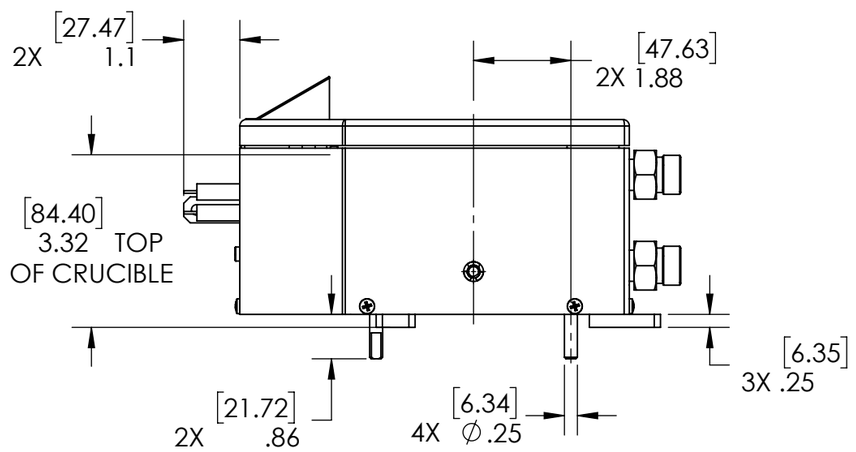

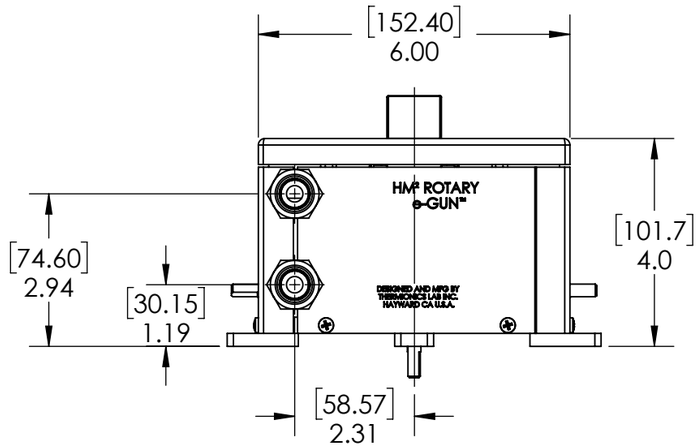

SPECS.
* POWER OUTPUT: (6 kW, 7.5 kV, 0 TO 800 mA)
  (10 kW, 10 kV, 0 TO 1.0 A)
* CRUCIBLE VOLUME:
  6 kW (7, 10, 15cc), 10 kW (7, 10, 15, 25cc)
* FILAMENT: 12 VAC 60 A
* ELECTRON BEAM: 270° DEFLECTION
* EVAPORATION RATE FOR (Al) ALUMINUM
  1 GM/MIN AT 10 kW, 3.6 MICRONS AT 25 cm
* BEAM SPOT SIZE: ∅.25" (TIGHT BEAM)
* CRUCIBLE: OFHC COPPER
* BAKEOUT TEMP. 121°C (250°F)
* WATER: 3.0 GPM (FILTERED) AT 70 PSI
* MINIMUM WATER TUBE SIZE: ∅3/8" (6 kW/10 kW)
* PRESSURE DIFFERENTIAL 50 PSI MIN.
* X AND Y SWEEP: HYPER-UNIMELT SWEEP (0 TO ABOVE 200 Hz)

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

thermionics laboratory inc.
Hayward Ca. 94545

	NAME	SIGNATURE	DATE	USED ON	NEXT ASSY.
DESIGN/ENG.					FINAL
CHK'D					
APPV'D					
MFG					
Q.A					

TITLE:
HANKS HM2(TM) ROTARY e-GUN(TM)
6kW & 10kW 4-POCKET

MATERIAL:

DWG NO. 113910

A3

WEIGHT: 25 lbs.

SCALE:1:3

SHEET 1 OF 1