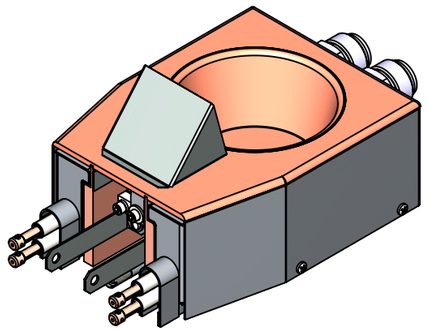

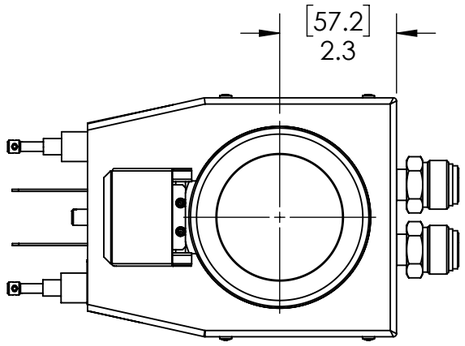

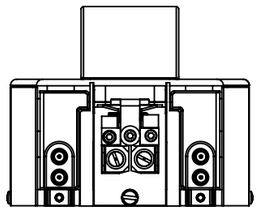

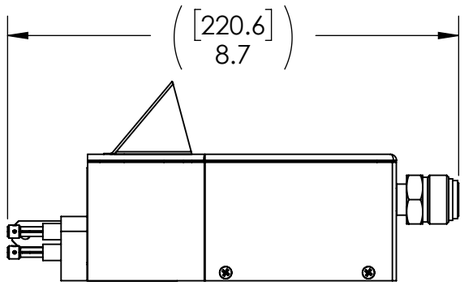

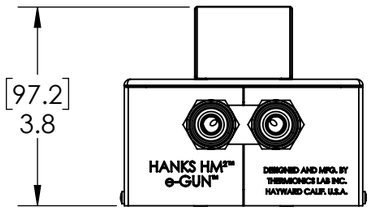

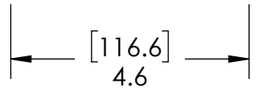

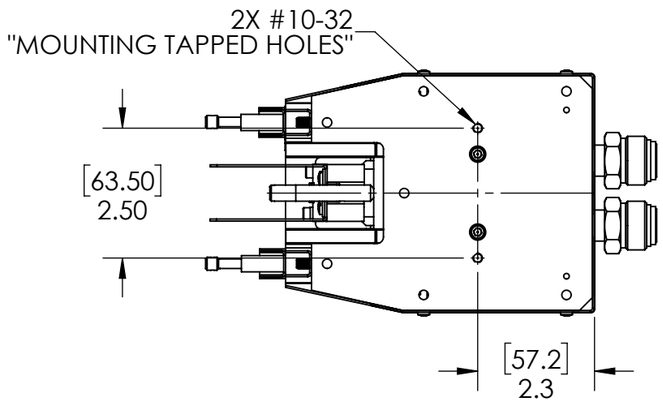

SPECIFICATIONS:
*POWER OUTPUT: 15kW/10kV 0 TO 1.5A; 20kW/10kV 0 TO 2.0A
*CRUCIBLE VOLUME: 156cc
*WEIGHT: 11 lbs.
*FILAMENT: 12 VAC 60 A
*ELECTRON BEAM: 270° DEFLECTION
*BEAM SPOT SIZE: ∅.25" (APPROXIMATE)
*CRUCIBLE: OFE COPPER
*BAKEOUT TEMPERATURE: 230° (446°F)
*WATER: 3.0 gpm (FILTERED) AT 70 PSI
*MINIMUM WATER TUBE SIZE: ∅1/2"
*PRESSURE DIFFERENTAIL: 50 PSI MINIMUM[10]
*X AND Y 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:

	NAME	SIGNATURE	DATE
DESIGN/ENG.			
CHK'D			
APPV'D			
MFG			
Q.A			

USED ON	NEXT ASSY.
GEN. USE	

MATERIAL:

WEIGHT: ~11 lbs.

DO NOT SCALE DRAWING | REVISION

thermionics laboratory inc.
Hayward Ca. 94545

TITLE:
HM2(TM) e-GUN(TM)
156cc,
OUTLINE DRAWING

DWG NO. A3

SCALE:1:3 | SHEET 1 OF 1