



- SPECIFICATIONS:**
- *METAL-SEALED, FULLY UHV COMPATIBLE, MEASURED BASE PRESSURE: 2×10^{-11} TORR.
 - *POWER OUTPUT: 6 kW; 7.5 kV; 0 TO 800 mA
10 kW; 10 kV; 0 TO 1.0 A
 - *FILAMENT: 12 VAC 60 A
 - *ELECTRON BEAM: 270° DEFLECTION
 - *WEIGHT: ~14 lbs.
 - *EVAPORATION RATES FOR "Al": 1 gpm AT 10 kW; 3.6 MICRONS AT 25 cm.
 - *BEAM SPOT SIZE: ~ ϕ .25"
 - *CRUCIBLE: OFE Cu
 - *BAKEOUT TEMPERATURE: 230°C (446°F)
 - *H2O: 9 gpm (FILTERED) AT 70 psi (EACH CRUCIBLE HAS ITS OWN H2O SUPPLY)
 - *PRESSURE DIFFERENTIAL: 50 psi MINIMUM
 - *X AND Y SWEEP: HYPER-UNIMELT SWEEP (0 TO ABOVE 200 Hz)

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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:				DO NOT SCALE DRAWING	REVISION
DESIGN/ENG.		NAME				SIGNATURE	DATE
CHK'D						FINAL	
APPV'D							
MFG							
Q.A							
		MATERIAL:			DWG NO.		A3
		WEIGHT: 14 lbs.			SCALE: 1:4		SHEET 1 OF 1