


NOTE:
1. DIMENSIONS IN [X.XX] ARE IN mm.


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DRAWING IS THE SOLE PROPERTY OF
THERMIONICS LABORATORY INC. ANY
REPRODUCTION IN PART OR AS A WHOLE
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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	
<i>thermionics laboratory inc. Hayward Ca. 94545</i>														
	NAME	SIGNATURE	DATE		USED ON	NEXT ASSY.	TITLE: <i>SVA-12 SOLID STATE POWER SUPPLY, OUTLINE DRAWING</i>							
DESIGN/ENG.						FINAL								
CHK'D														
APPV'D														
MFG														
Q.A				MATERIAL:			DWG NO. SVA-12				A3			
				WEIGHT: 60 lbs.			SCALE:1:6				SHEET 1 OF 2			

- * POWER 12kW
- * All SOLID STATE SWITCH MODE DESIGN
- * MAX POWER 1.2A @ 10kV
- * RESPONSE TIME <50 MICROSECONDS
- * SOURCE FILAMENT 50A MAX @ 8VAC
- * PROCESS CONTROL VOLTAGE +10VDC
- * SIMULTANEOUS OPERATION OF UP TO TWO (2) e-GUN(TM) SOURCES
- * All SOLID STATE SWITCH MODE DESIGN
- * RUGGED WELL OVERRATED IGBT INVERTER FOR SUPERIOR RELIABILITY
- * EXTENSIVE ARC MANAGEMENT FOR OUTSTANDING PERFORMANCE, FASTEST ARC RECOVERY, ARC COUNTER AND ARC DURATION SENSOR
- * ADJUSTABLE VOLTAGE 0 TO -10kV WITH PRECISE REGULATION (<+/- 0.25%) FOR STABLE BEAM POSITION, ULTRA LOW RIPPLE FOR MINIMUM BEAM SIZE.
- * CONSTANT EMISSION CURRENT REGULATION <+/- 0.5%
- * FULL REMOTE OPERATION FROM PLC OR OPTIONAL HANDHELD FOR BOTH HIGH VOLTAGE AND SOURCE
- * 19 INCH RACK MOUNTABLE, ULTRA COMPACT CHASSIS
- * AIR COOLED



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							SHEET 2 OF 2							

WEIGHT:

SCALE:1:6

SHEET 2 OF 2