




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

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
THERMIONICS LABORATORY INC. ANY
REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
THERMIONICS LABORATORY INC. IS
PROHIBITED.

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.	TITLE: SVA-10 SOLID STATE POWER SUPPLY, OUTLINE DRAWING							
DESIGN/ENG.						FINAL								
CHK'D														
APPV'D														
MFG							DWG NO. SVA-10							A3
Q.A														
							SCALE:1:6							SHEET 1 OF 2
							WEIGHT: 60 lbs.							

- * POWER 10kW**
 - * ALL SOLID STATE SWITCH MODE DESIGN**
 - * MAX POWER 1A @ 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**
- 
- A black, rack-mountable power supply unit. The front panel features the text '10 kW' in a large, white, sans-serif font. Below it, in a smaller font, is 'POWER SUPPLY'. To the right of the text is a small, circular logo. On the left side of the panel, there are several small, white, circular indicators or buttons. On the right side, there is a small, rectangular display or indicator. The unit has a rugged, industrial design with mounting ears on the sides.

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.</i> <i>Hayward Ca. 94545</i>														
	NAME	SIGNATURE	DATE		USED ON	NEXT ASSY.	TITLE: <i>SVA-10 SOLID STATE POWER SUPPLY, OUTLINE DRAWING</i>							
DESIGN/ENG.						FINAL								
CHK'D														
APP'VD														
MFG														
Q.A.				MATERIAL:									DWG NO. SVA-10	
				WEIGHT:			SCALE:1:6				SHEET 2 OF 2			