


- \* POWER 8kW
- \* All SOLID STATE SWITCH MODE DESIGN
- \* MAX POWER 800mA @ -0kV TO -10kV
- \* RESPONSE TIME <50 MICROSECONDS
- \* SOURCE FILAMENT 50A MAX @ 8VAC
- \* PROCESS CONTROL VOLTAGE +10VDC
- \* 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
- \* DUAL CHANNEL OPTIONAL



**PROPRIETARY AND CONFIDENTIAL**  
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DRAWING IS THE SOLE PROPERTY OF  
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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:		 <b>thermionics laboratory, inc.</b>		DO NOT SCALE DRAWING		REVISION	
						TITLE:		<b>SVA-8 SOLID STATE POWER SUPPLY, OUTLINE DRAWING</b>	
						DWG NO.		SVA-8	
						SCALE:1:6		SHEET 2 OF 2	

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

MATERIAL:		WEIGHT:	

A3	
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