



LASER DRIVE

Laser Drive, Inc.
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Electrical Specification

Model 103

95-434 REV P1

PARAMETER	MIN.	TYP.	MAX.	UNITS
Input Voltage <i>OPTION 1</i> <i>OPTION 2</i> <i>OPTION 3</i> <i>OPTION 4</i>	 10 12 20 24	 12 15 24 28	 14 18 28 32	 VDC
Input Current @ 10 VDC Input 2450 VDC/ 6.5mA Output			2.12	ADC
Starting Voltage	8		12	kV DC
Output Voltage* <i>RANGE 1</i> <i>RANGE 2</i> <i>RANGE 3</i>	 1100 1500 1800		1500 1800 2450	VDC
Output Current* <i>RANGE 1</i> <i>RANGE 2</i> <i>RANGE 3</i>	 3.5 4.5 6.0		4.5 5.5 6.5	mA DC
Output Current Ripple			2	% PK-PK
Efficiency		75		%
Operating Temperature	-20		+55	°C
Storage Temperature	-20		+60	°C
Options: : (TTL) Enable The (TTL) enable should be connected to the ground-allowing unit to start laser. (Open Collector TTL). When not connected the unit will be disabled and the laser will be off. (CDRH) Delay of 3 to 7 seconds from when power is applied to the power supply until the laser tube fires.				

* Additional voltages and currents are available. Call for information.