



ANALOG MODULES, INC.

MODEL 8800

FIXED PULSEWIDTH
LASER CONTROLLER

FIXED PULSEWIDTH LASER CONTROLLER

- MICROPROCESSOR CONTROL
- MULTIPLE CONFIGURATION STORAGE
- PROGRAMMABLE DUTY CYCLE
- RS232 PORT FOR REMOTE CONTROL
- MULTIPLE PFN/POWER SUPPLY CONTROL



DESCRIPTION:

The **Model 8800** Laser Flashlamp Controller provides fixed pulsewidth pulses for pumping solid-state lasers. The microprocessor provides the flexibility and convenience of software control. The system status is presented on an easy-to-read LCD graphics display. The **Model 8800** can be configured to include software, simmer supply and a capacitor charging power supply to form a complete turn-key laser flashlamp controller in a 19" rack mounted assembly. The **Model 8800** can also control up to three independent PFN/power supply outputs for Osc/Amp laser applications.

SPECIFICATIONS:

Input	115VAC \pm 10% or 198 to 253VAC 1 \emptyset , 50/60Hz
Output Voltage	Up to 2500VDC
Status Indicators	System status displayed on LCD Power On LED High Voltage LED
Size Front Panel Chassis	7" x 19" 6.5" x 17" x 17"
Weight	<30 lbs. (PFN and power supply dependent)

Standard Features	Microprocessor/RS232 Menu driven interface 25 μ F/2kV PFN capacitor 60 μ H, 30A _{rms} inductor 120mA simmer supply 8' HV lamp output cable 115/230VAC input cable with plug Operating Manual
Options	Custom software Custom PFN's Power supply up to 3kW 160/300mA simmer supply



Specifications subject to change without notice.

Contact our applications staff for detailed information.

APPLICATIONS:

Solid-State Laser Control where Fixed Pulsewidths are Required.

OPTIONS		8800-7
PFN Capacitor Value	10 μ F	-10
	25 μ F (STD)	-25
	50 μ F	-50
	100 μ F	-100
	150 μ F	-150
PFN Inductor Value	60 μ H (STD)	-60
	80 μ H	-80
	100 μ H	-100
	>100 to 300 μ H	-(value)
Power Supply	No Internal Supply	-0
	250W	-1
	500W	-2
	750W	N/A
	1500W	-5
	2500W	-10
Charge Voltage (up to 2.5kV) e.g. 1500V		-(value)
Simmer Output Current	120mA (STD)	-S
	160mA	-SS
	300mA	-SX
Input Voltage	110VAC, 1 \emptyset	-C
	230VAC, 1 \emptyset	-D

Typical Part Number:
8800-7-25-110-5-1500-SS-D =

Front Panel Height: 7"
Capacitor Value: 25 μ F
Inductor Value: 110 μ H
Power Supply: 1500W
Charge Voltage: 1500V
Simmer Current: 160mA
Input: 230VAC, 1 \emptyset

