

Arbitrary Waveform Laser Diode Driver - AWLDD

Features

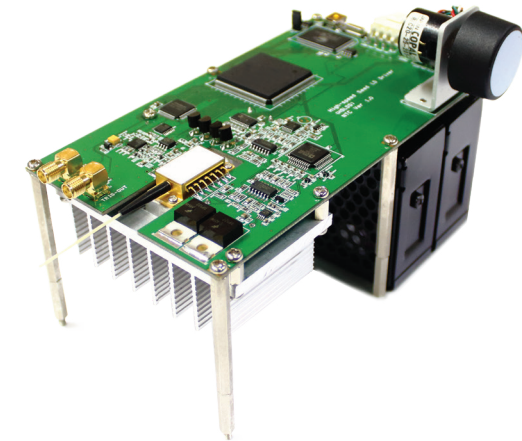
Arbitrary waveform generation – Internal Generator
5 ns minimum pulse width & Settling time
Up to 2.5 Ampere output current
Up to 1 Ampere offset current

Applications

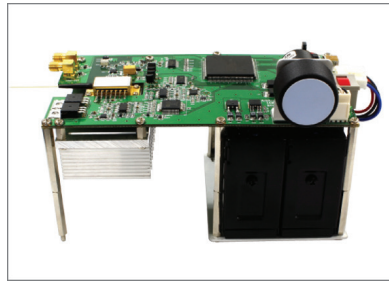
Seed laser diode driver for industrial fiber laser
Pump laser diode driver
SLED broadband source laser driver
SOA type optical amplifier module driver

Specifications

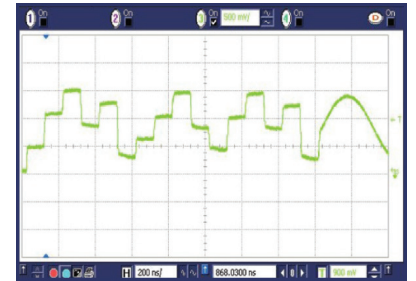
Parameters	High Current Module
LD Package Type	Four
Pulse Width (Peak Setting Time)	2-Pin Package Interface
Pulse Peak Current	0 ~ 12 A
Peak Resolution	>60 W
Pulse repetition rate	>240 W
LD Offset Current	1us
Temperature Control Range	10kΩ(Optional)
TE Cooler Current	USB 2.0 & GUI
LD Output Power Control(MFD model)	Max. 500 mW
External Optical power Measurement	-65 ~ 10 dBm (Option)
Interface	USB 2.0



Input electric waveform on GUI



AWLDD



Output optical Waveform

Analog Laser Diode Driver - ALDD

Features

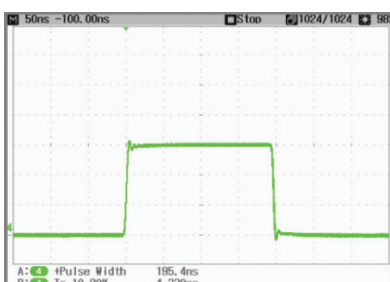
Electric pulse to optical pulse converter
Up to 2.5 Ampere output peak current
Down to 5 ns pulse width
Various shape of optical output pulse
Cost-effective solution for the laser diode driver
Very compact size and light weight

Applications

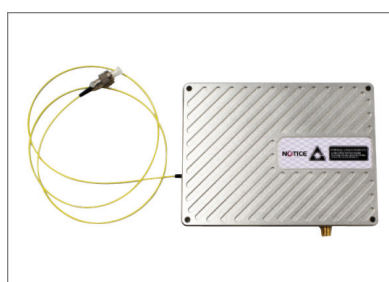
Seed laser diode driver for industrial fiber laser
Pump laser diode driver
SLED broadband source laser driver
Industrial and medical laser driver

Specifications

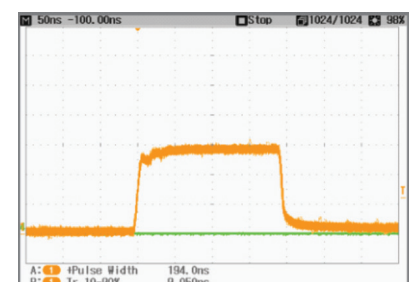
Parameters	Values
LD Package Type	14-Pin Butterfly
Pulse Width	5 ns ~ 250 ns
Pulse Modulation Current	Max. 2.5 A
Pulse Repetition Rate	Max. 50 MHz
Temperature Control Range	15 ~ 40 °C
TE Cooler Current	± 1.5 A
LD Output Power	> MAX. 1.2 W
Input Voltage Range	0 ~ 2.5 V Modulated Pulse signal
Electric Signal Interface	SMA connector, 50Ω
Module Case	Aluminum
Size & Weight	95(H) x 100(W) x 13(D), 300 g



Input Electric Pulse



ALDD



Output Optical Pulse