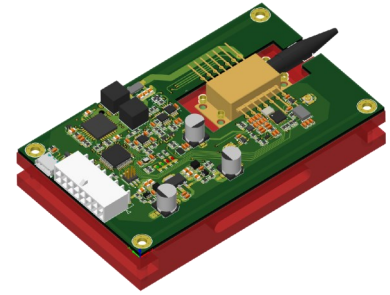


Introduction

The C460 ultra-short pulsed laser driver can generate pulses from 100ps to 200ns. It provides over-current and over-temperature protection to prevent damage to the laser diode or other components. Control capability includes SCPI over USB and RS485 for configuration.

This driver is flexible and customizable to meet the specific needs of the application and be compatible with different types of laser diodes (incl. type 1 and type 2).

C460 can be used in a variety of applications, including spectroscopy, precision systems, OEM applications.



Specification

Features	Software-configurable laser diode modulation
Applications	Spectroscopy, Laser, Precision Instrument, OEM applications
Pulse width	100ps to 200ns
Pulse width resolution	1ps (100ps to 5ns), 318ps (5ns to 200ns)
Pulse repetition	up to 3MHz (higher using external triggering)
Safety features	Overtemperature and overcurrent safety laser shutdown
Internal trigger	Internal trigger
External trigger	LVTTTL for pulses up to 200ns.
Peak laser/LED current	500mA (up to 5V compliance) or 300mA(up to 10V compliance)
Power supply	12V
Communication interface	SCPI (Standard Commands for Programmable Instruments) over USB and RS485 for configuration
Control	<p>GUI available for USB/RS485 configuration. Configuration parameters include:</p> <ul style="list-style-type: none"> • Current amplitude • Pulse width • Pulse repetition frequency • Synchronized pulse delay
Dimensions (WxHxD)	101 x 61 x 30 mm