

LED driver D-41i

Application

D-41i driver is designed for power supply of NIR and MIR LED models.

Features

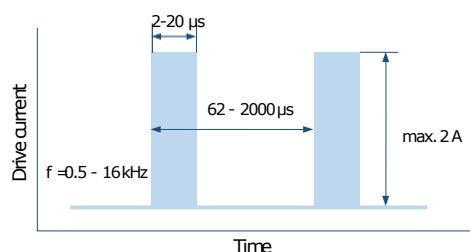


- D-41i driver provides pulse mode of operation (the mode of maximum peak optical power of an LED).
- Possibility to choose one of five current values (0.2, 0.6, 1.0, 1.5 and 1.9 A), one of four frequencies (0.5, 1, 2 and 4 kHz) and pulse duration within five values (5, 10, 20, 50 and 150 μ s)* via driver's jumpers.

- Synchronisation input terminal block allows:
 - synchronising driver with an external device (synchronous detector etc.);
 - synchronising two or more drivers simultaneously;
 - setting custom frequency of an LED signal.
- Possibility of synchronization with an external device with the help of synchronisation output terminal block.
- Ease of use and durability.

Technical characteristics

Current waveform generated by the driver



Parameters	Value
Input voltage	Stabilised +12 V
Voltage tolerance	-5 to +5%
Power consumption	< 4 W
Board dimensions	80 × 70 × 15 mm
Synchronisation output voltage	5 V

Signal data	Pulse mode
Pulse duration*	5, 10, 20, 50 and 150 μ s
Repetition rate	0.5, 1, 2 and 4 kHz
Output current amplitude	0.2, 0.6, 1.0, 1.5 and 1.9 A

*Different values of the pulse duration can be adjusted for a better performance of the LED (LED-PD optopair), follow the data pointed in the specification provided with the ordered driver.



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