

compact Pulsed Fiber Laser Series 1064nm

Model no.: cPFL-1064



Description

This compact Pulsed Fiber Laser generates nanosecond pulses at 1064nm. It is based in a compact design package and on a MOPA (Master Oscillator Power Amplifier) architecture that uses proven subsystems and proprietary laser pulse generation, triggering, gating and ASE suppression techniques. The laser incorporates real-time stabilization, control electronics and firmware that continuously monitor and optimize laser operation.

Optical parameters (at 25°C)

Parameter	Specification	Unit
Center wavelength	1064 ±2	nm
Center wavelength stability	active stabilization	-
Pulse width range	6 – 100	ns
Pulse repetition frequency	Single-shot to 500	kHz
Peak power	> 0.5	kW
Rated average power	> 0.5	W
Output polarization	Random	-

Delivery cable specifications

Output fiber	HI1060 or equivalent
Fiber delivery length	< 75 cm

Electrical parameters

Parameter	Specification	Unit
Power supply	+5 and +12	V

Mechanical specifications

Parameter	Specification	Unit
Dimensions (WxDxH)	160 x 160 x 35	mm