

MODEL NO

PFL-1064

DESCRIPTION:

This Pulsed Fiber Laser generates single frequency nanosecond pulses at 1064nm. It is based 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	10 – 200	ns
Pulse repetition frequency	Single-shot to 500	kHz
Peak power	> 1	kW
Rated average power	> 1	W
Output polarization	Random	-

OPTICAL CONNECTIONS

Output fiber	HI1060or equivalent
Fiber delivery length	75cm

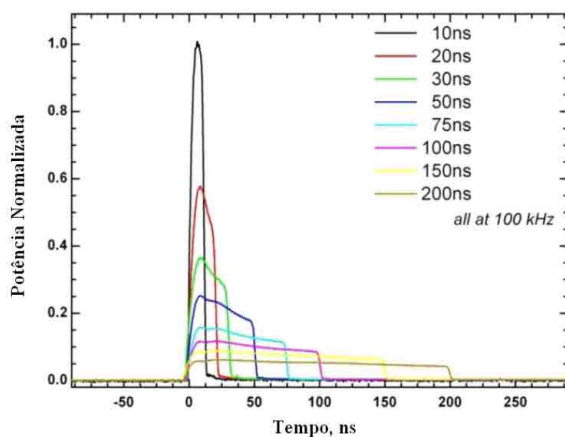
ELECTRICAL PARAMETERS

Parameter	Specification	Unit
Power supply	+3.3 or +5 and +15	V

MECHANICAL PARAMETERS

Parameter	Specification	Unit
Dimensions (WxDxH)	205 x 255 x 95	mm

TYPICAL PULSE WIDTH PROFILES



POWER vs TRIGGER FREQUENCY

