

CPFL-1.5a

1550nm Compact High Power Pulsed Fiber Laser

Application

- ▶ Light source for LIDAR
- ▶ 3D-scanning
- ▶ Autonomous driving



Features

- ▶ Low power consumption
- ▶ Ultra Compact package (80x50x12 mm)
- ▶ Eye-safe Wavelength

Parameter

Parameter		Parameter Range
Center Wavelength	[nm]	1540 ... 1560
Wavelength Drift	[nm/°C]	0.1
Laser Peak power	[kW]	up to 5
Laser Output Power, average	[W]	up to 1
Pulse Width	[ns]	0.5 ... 10
Pulse Energy	[μJ]	up to 80
Repetition rate	[kHz]	10 ... MHz
Pulse Timing		External trigger, TTL / LVDS
Mechanical Dimensions	[mm]	80x50x12
Power Supply Voltage	[VDC]	+5 / +12
Polarization		Random
Operating Case Temperature	[°C]	-40 ... +65
Output Fiber length	[cm]	30
Output Beam Quality		Single-mode
Output Termination		Collimator, FC/APC, ...
Power Consumption (1W)	[W]	15
Communication Interface		RS-232 TTL

Ordering Information



Custom variants are available upon request, please contact our customer service to discuss your specification requirements

Evaluation boards available upon request

Specifications are subject to change without notice 1

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