

CPFL-1.5at

1550nm Compact High Power Pulsed Fiber Laser

Applications

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

Features

- ▶ Wavelength stabilized
- ▶ Ultra Compact package (80x70x15 mm)
- ▶ Eye-safe Wavelength



Parameter

Parameter Range

Parameter	Parameter Range
Center Wavelength	[nm] 1540 ... 1560
Wavelength Drift	[pm/°C] 0.1
Laser Peak power	[kW] up to 5
Laser Output Power, average	[W] up to 1
Pulse Width	[ns] 0.2 ... 5
Pulse Energy	[μJ] up to 80
Repetition rate	[kHz] 10 ... to MHz
Pulse Timing	External trigger, TTL / LVDS
Mechanical Dimensions	[mm] 80x70x15
Power Supply Voltage	[VDC] +5 / +12 / +24
Polarization	Random / Linear
Operating Case Temperature	[°C] -40 ... +65
Output Fiber length	[cm] 30
Output Beam Quality	Single-mode
Output Termination	Collimator, FC/APC, ...
Power Consumption	[W] < 20
Communication Interface	RS-232 / TTL

Ordering Information



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

Evaluation board available upon request

Specifications are subject to change without notice