

# CPFL2

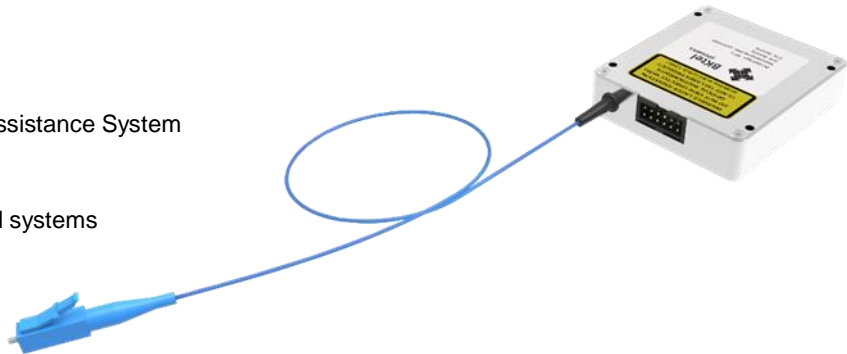
## Light Weight Laser Module for LIDAR

### Application

- ▶ LIDAR TOF, Advanced Driver Assistance System
- ▶ Rangefinder Binoculars
- ▶ Light Weight device for handheld systems

### Features

- ▶ High pulse energy.
- ▶ Low Power Consumption.
- ▶ Eye-safe Wavelength



### Parameter

### Parameter Range

Parameter		Parameter Range
Center Wavelength	[nm]	1530 ... 1564
Wavelength Drift	[nm/°C]	0.1
Laser Peak power	[kW]	up to 5
Laser Output Power, average	[W]	up to 1
Pulse Width	[ns]	0.2 ... 5
Pulse Energy	[μJ]	up to 25
Repetition rate	[kHz]	5 ... to MHz
Pulse Timing		External trigger, TTL / LVDS
Mechanical Dimensions	[mm]	50x40x15
Power Supply Voltage	[VDC]	+3.3 / +5
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	[W]	17
Communication Interface		RS-232 / I2C

### 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

# CPFL-1.5a

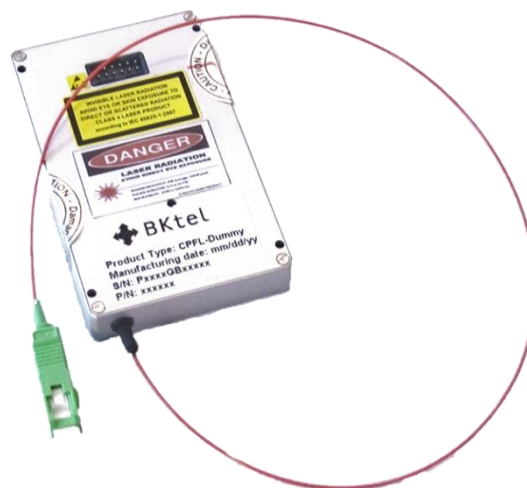
## 1550nm Compact High Power Pulsed Fiber Laser

### Application

- ▶ Pulsed Light source for LIDAR applications
- ▶ 3D-scanning, range finding
- ▶ Autonomous driving

### Features

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



### Parameter

### Parameter Range

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] 0.4 ... 50
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 / +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] 17
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

# CPFL-1.5t

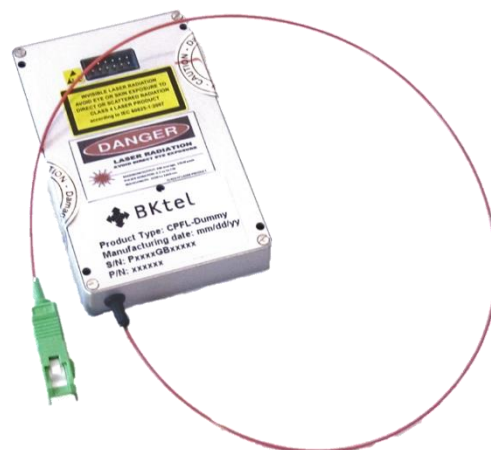
## 1550nm Ultra Compact Pulsed Fiber Laser

### Applications

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

### Features

- ▶ Low power consumption
- ▶ Ultra Compact package (70x50x15 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]	5
Laser Output Power, average	[mW]	up to 150
Pulse Width	[ns]	0.4 ... 50
Pulse Energy	[μJ]	~ 5
Repetition rate	[kHz]	5 ... to MHz
Pulse Timing		External trigger, TTL / LVDS
Mechanical Dimensions	[mm]	70x50x15
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]	< 10
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

# 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