

CPFL-1.5a

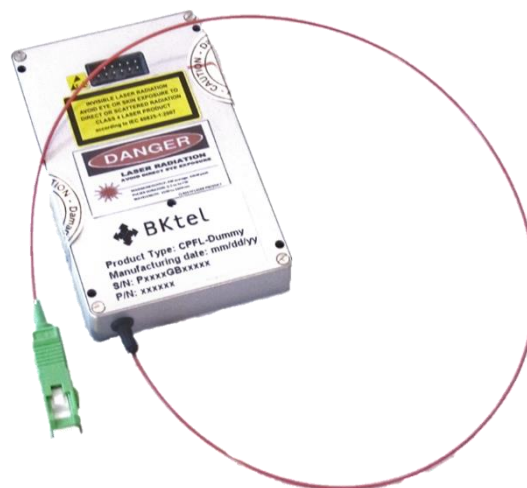
1550nm Compact High Power Pulsed Fiber Laser

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