

1550nm Fiber Laser

Pulsed Fiber Laser

OFL-NCx Series

Compact & Low Power Consumption

OFL-NCU-10AC-I



The LiComm OFL-NCx series is a 1550nm Pulsed Fiber Laser Module with a driving and control circuitry packaged inside. The OFL-NCx series offers a high Beam quality and very stable output power. Compact size, combined with extremely low power consumption, allows the OFL-NCx series to be highly suitable for applications such as LiDAR , Range finding, Remote sensing and more.

Features

- Compact size
- Extremely low power consumption over wide operating temperature range
- Laser module including electric control circuit
- High output pulse energy
- Single mode beam quality
- APC (Automatic Power Control) or ACC (Automatic Current Control)
- Control & monitor by RS232
- TTL alarm
- Single voltage power supply

Applications

- LiDAR
- Range finding
- Distributed fiber sensing

1550nm Fiber Laser Pulsed Fiber Laser

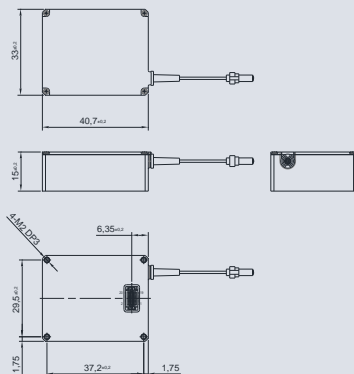
Optical Characteristics

Parameter	Symbol	OFL-NCC-05AC-E	OFL-NCC-10AC-E	OFL-NCU-05AC-I	OFL-NCU-10AC-I	Unit
Laser Wavelength	λ	1550 \pm 1		1550 \pm 7		nm
Laser Output Energy	P_{OUT}	up to 5*	up to 10*	up to 5*	up to 10*	μ J
Peak Power	P_{PEAK}	0.5	1	0.5	1	kW
Average Output Power	$P_{AVR.}$	0.05	0.1	0.05	0.1	W
Laser Pulse Width	P_{WD}	1 ~ 10		1 ~ 10		ns
Beam Quality	M^2	< 1.1		< 1.1		-
Trigger Mode	-	External (TTL/LVDS)		Internal		-
Repetition Rate	R	up to 2M		up to 10k		Hz
Output Power Stability	P_{STA}	Max. 3		Max. 3		%
Power consumption	-	8		3		W

*: Repetition Rate 10kHz

Mechanical Dimension

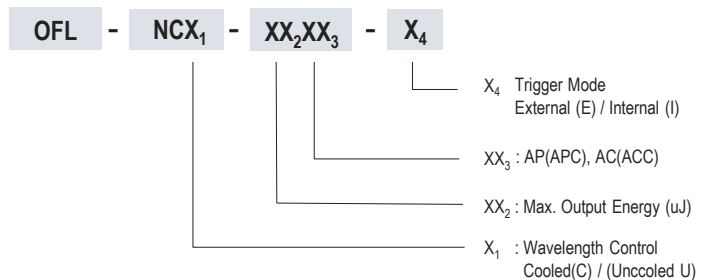
OFL-NCU-10AC-I : 40.7 X 33 X 15mm



Electrical & Environmental Characteristics

Parameter	Typical Value
Power supply voltage	+5V
Interface	RS232
Alarm	TTL
Operating temperature	-35 ~ 75°C
Storage temperature	-40 ~ 85°C
Storage humidity	5 ~ 90% R.H

Ordering Information



LiComm Co., Ltd.

Address

109, Baekja-ro Idong-myeon, Cheoin-gu, Yongin-Si,
Gyeonggi-Do, 17126, Korea

Tel: +82-31-323-1926,1936 Fax: +82-31-323-2447

E-mail: sales@licomm.com Website : www.licomm.com