

Optical Fiber Laser

Pulsed Fiber Laser

OFL-NCM Series

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

OFL-NCM-05AP



OFL-NCM-20AP



Features

- Compact size
- Extremely low power consumption over wide operating temperature range
- Laser module including electric control circuit
- High output average power
- Excellent beam quality
- Wide input dynamic range
- APC (Automatic Power Control) or ACC (Automatic Current Control)
- Control & monitor by RS232
- TTL Alarm
- Single voltage power supply

Applications

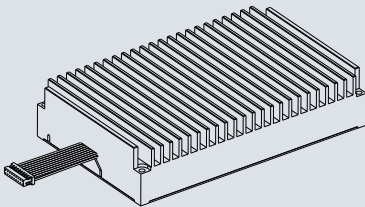
- LIDAR
- Range finding
- Remote sensing

Optical Fiber Laser

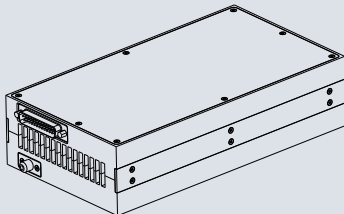
Pulsed Fiber Laser

Mechanical Dimension

OFL-NCM-05AP: 100 X 160 X 38mm



OFL-NCM-20AP: 220 X 120 X 55mm



Optical Characteristics

Parameter	Symbol	OFL-NCM-05AP	Unit
Laser Wavelength	λ	Typ. 1565	nm
Laser Output power	P_{OUT}	Max. 5	W
Laser Pulse Width	P_{WD}	Typ. 30	ns
Beam Parameter Product	BPP	< 0.55	mm mrad
Repetition Rate	R	up to 100	kHz
Output Power Stability	P_{STA}	Max. 3	%

Parameter	Symbol	OFL-NCM-20AP	Unit
Laser Wavelength	λ	Typ. 1565	nm
Laser Output power	P_{OUT}	Max. 20	W
Laser Pulse Width	P_{WD}	Typ. 30	ns
Beam Quality	M^2	<1.5	
Repetition Rate	R	up to 100	kHz
Output Power Stability	P_{STA}	Max. 5	%

Electrical & Environmental Characteristics

Parameter	Typical Value
Power supply voltage	+5V* / 24V**
Interface	RS232
Alarm	TTL
Operating Case temperature	-10 ~ 45°C
Storage temperature	-40 ~ 85°C
Storage humidity	5 ~ 90% R.H
Power consumption	50W* / 300W**

* OFL-NCM-05AP

** OFL-NCM-20AP

Ordering Information

OFL - NCM - XX₁XX₂

XX₁ : Max. Output Power (W)

XX₂ : AP(APC), AC(ACC)

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: sale@licomm.com Website : www.licomm.com