

Optical Fiber Laser

CW Fiber Laser(1560nm) OFL-CCM Series

The LiComm OFL-CCM series is a 1550nm CW Fiber Laser module with a driving and control circuitry packaged inside. The OFL-CCM series offers a high Beam quality and very stable output power. Compact size, combined with extremely low power consumption, allows the OFL-CCM series to be highly suitable for applications such as micromachining, fine processing, marking and more.

OFL-CCM-06AP



OFL-CCM-25AP



Features

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

Applications

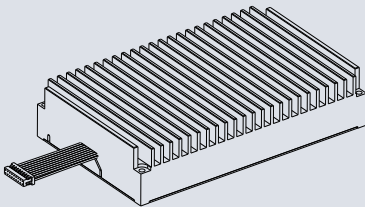
- Micromachining
- Fine processing
- Marking

Optical Fiber Laser

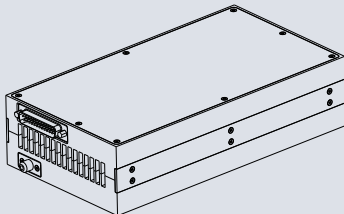
CW Fiber Laser

Mechanical Dimension

OFL-CCM-06AP: 100 X 160 X 38mm



OFL-CCM-25AP: 220 X 120 X 55mm



Optical Characteristics

Parameter	Symbol	OFL-CCM-06AP	Unit
Laser Wavelength	λ	Typ. 1565	nm
Laser Output power	P_{OUT}	Max. 6	W
Beam Parameter Product	BPP	< 0.55	mm mrad
Output Power Stability	P_{STA}	Max. 3	%

Parameter	Symbol	OFL-CCM-25AP	Unit
Laser Wavelength	λ	Typ. 1565	nm
Laser Output power	P_{OUT}	Max. 25	W
Beam Quality	M^2	<1.5	
Output Power Stability	P_{STA}	Max. 5	%

Electrical & Environmental Characteristics

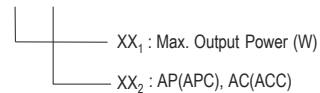
Parameter	Typical Value
Power Supply Voltage	+5V* / +24V**
Interface	RS232
Alarm	TTL
Operating Case Temperature	- 10 ~ 45°C
Storage Temperature	- 40 ~ 85°C
Storage Humidity	5 ~ 90% R.H
Power Consumption	60W* / 300W**

* OFL-CCM-06AP

** OFL-CCM-25AP

Ordering Information

OFL - CCM - XX₁XX₂



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