

Optical Fiber Amplifier

Rack mountable OFA-CCS-Series

The LiComm Rack mountable EDFA OFA-CCS-Series is LiComm optical amplifier module housed in 19" in shelf with power supply inside. The OFA-CCS-Series is suitable for optical CATV amplification and up to 10G SDH(STM-64) that requires stand-alone operation. Front panel of OFA-CCS-Series provides a LCD panel for amplifier operation ,monitoring and control buttons for power on/off. RS232 and SNMP interface enable remote monitoring and control from PC. Either AC 100 ~ 240 or DC -48 volt are available for power supply.



Features

- Including electric control circuit
- Including EDFA module
- Optical Input power -5 ~ +8dBm
- Output power up to +26dBm
- Wide input dynamic range
- Low noise figure
- Easy operation
- APC (Automatic Power Control) or AGC (Automatic Gain Control)
- Control & monitor with RS232, SNMP
- Either AV100 ~ 240volt(standard) or DC -48 volt power supply

Applications

- Optical CATV Signal Amplification in C-band
- Single loss compensation in switch matrix
- OADM and Metro networks
 - Booster, In-line, Pre-Amp
- SONET/SDH system

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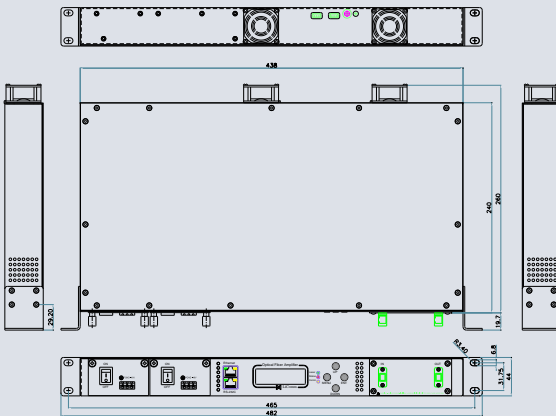
Optical Characteristics

Parameter	Symbol	OFA-CCS	Unit
Signal wavelength range	λ	1528 ~ 1563	nm
Input power	P_{IN}	-5 ~ +8	dBm
Saturation Output power(1)	P_{OUT}	Up to 26	dBm
Small signal gain(2)	G	> 30	dB
Noise figure	NF	Typ. 5.0	dB
Optical isolation	ISO	>30	dB
Return loss	RL	>40	dB
Polarization mode dispersion	PMD	<0.3	Ps
Polarization dependent gain	PDG	<0.3	dB

(1) Input Power = 0dBm

(2) Input Power = -30dBm at 1550nm

Mechanical Dimension (482 X 260 X 44mm)



Electric & Environmental Characteristics

Parameter	Typical Value
Power supply voltage	AC 100 ~ 240V or DC -48V
Interface	RS232, SNMP
Operating temperature	0 ~ 50°C
Storage temperature	- 40 ~ 85°C
Storage humidity	10 ~ 85% R.H

Ordering Information

OFA - XCS - XX₁XX₂ - X₃X₄X₅X₆

T : Single Ch.
 W : WDM
 XX₁ : Max. Output Power (dBm)
 XX₂ : AP(APC), AG(AGC), AC(ACC)

OFA - CCS - XX₁XX₂ - X₃X₄X₅X₆

XX₁ : Max. Output Power (dBm)
 XX₂ : Number of Output Ports

X₃ (PSU Power) : A(AC Free), D(DC -48V), C(AC and DC)

X₄ (PSU Type) : H(Dual Hot Swap), D(Dual Fixed), S(Single Replaceable), R(Single Fixed)

X₅ (Management Interface) : S(SNMP+RS-232), R(RS-232)

X₆ (Opt. Connector Position) : F(Front), R(Rear)

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