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Find the *FiberPro EA4000* at our website: ***Click HERE***

FIBERPRO

Erbium-Doped Fiber Amplifiers

EA4000

FIBERPRO's EA4000, optimized for R&D applications in laboratories and research institutions, provides easy-to-use manipulations and versatile functions with display window for control and monitoring. **FIBERPRO**'s customer-on-demand design and optimized performance based on world class design infra, save time for the customers to penetrate the optical communication market.

EDFA



Features

Saturation output power from 13 to 23 dBm

Easy Monitoring with LCD Panel
- Input/Output Monitoring
- Temperature Monitoring
- Pump LD Monitoring
- Alarm Monitoring

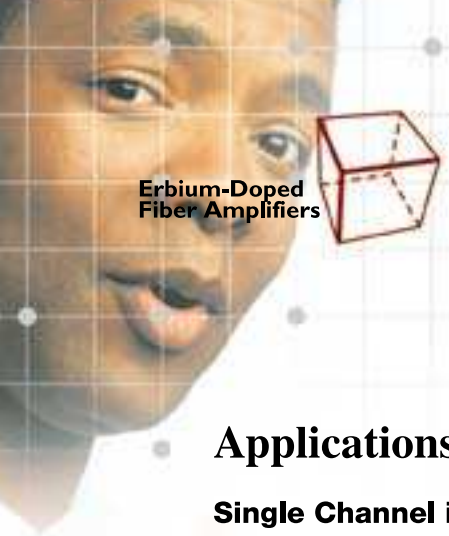
Controllable pump power

Ultra Low Noise

Standard RS-232C Interface

Telcordia GR-1312-CORE Compliance

Stable Gain Profile over gain bandwidth



Applications

Single Channel in C-Band

- Booster/Power Amplifier
- In-Line Amplifier
- Pre-Amplifier

Providing Versatile Power Adjustment

Application for Laboratory and Research Center

Optical Specification

Parameter \ Model		EA4000-13 Series			EA4000-15 Series			EA4000-17 Series		
		Min	Typ	Max	Min	Typ.	Max	Min	Typ.	Max
Wavelength (nm)		1530		1562	1530		1562	1530		1562
Input Range (dBm)	Booster	-8			-8			-8		
	In-Line	-20			-20			-20		
	PreAmp	-40			-40			-40		
Output (dBm) [1]			13.0			15.0			17.0	
Noise Figure (dB) [1]				5.0			5.0			5.0
PDG (dB)				0.5			0.5			0.5
PMD (ns)				0.5			0.5			0.5
Operating Temp. (℃)		0		65	0		65	0		65
Storage Temp.(℃)		-40		70	-40		70	-40		70

Parameter \ Model		EA4000-21 Series			EA4000-23 Series		
		Min	Typ.	Max	Min	Typ.	Max
Wavelength (nm)		1530		1562	1530		1562
Input Range (dbm)	Booster	-8			-8		
	In-Line	-20			-20		
	PreAmp	-40			-40		
Output (dBm) [1]			21.0			23.0	
Noise Figure (dB) [1]				5.0			5.0
PDG (dB)				0.5			0.5
PMD (ns)				0.5			0.5
Operating Temp. (℃)		0		65	0		65
Storage Temp.(℃)		-40		70	-40		70

[1] Input Power at - 6 dBm

Electrical Characteristics

Parameter	Range	Unit
Power Supply Voltage	110 ~ 240 (50 ~ 60 Hz)	VAC
Electrical Power Consumption	30 (Maximum)	W

Alarm, Display, Control, Interface

Alarm	LD bias Alarm	Input Loss of Signal Alarm
	LD Temperature Alarm	Output Loss of Signal Alarm
	EDFA Temperature Alarm	
Display (Front Panel LCD)	Input/Output Power	dBm / mW
	Gain	ratio / dB
	Pump Power	mW
	Pump Current	mA
	LD Temperature	℃
	EDFA Temperature	℃
	LD Current Threshold and Alarm	mA
	Input Loss of Signal Threshold and Alarm	dBm
	Output Loss of Signal Threshold and Alarm	dBm
Control	Pump Power	mW
Electrical Interface	Rs-232C	
Optical Interface	SC/PC, FC/PC, FC/APC, SC/APC	

Ordering Code

EA4000-(1)-(2)

1. output power → 13 dBm (13), 15 dBm (15), 17 dBm (17), 21 dBm (21), 23 dBm (23)
2. connector type → SC/PC (S/P), FC/PC (F/P), FC/APC (F/A), SC/APC (S/A)

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