

DATA SHEET

Headend Actives

IPCOR OA3000 Series High Power Optical Fibre Amplifier (OA)

Overview

IPCOR OA3000 Erbium-Doped Fiber Amplifier consists of a high quality pump laser, isolator and wavelength-division-multiplexer. The performance of the components ensure high reliability and operation of the product. By using advanced design and manufacture techniques, the EDFA exhibits the lowest noise and the highest pumping efficiency.

In fulfilling its requirements for reliable transmission, the device detects input signal, locks on to and monitors output power. Alarms are also provided for failure of the pump laser and amplifier modules.

The IPCOR OA3000 network management interface is based on SNMP (RJ45) and also provides a local monitoring interface (RS 232) allowing full control and monitoring.

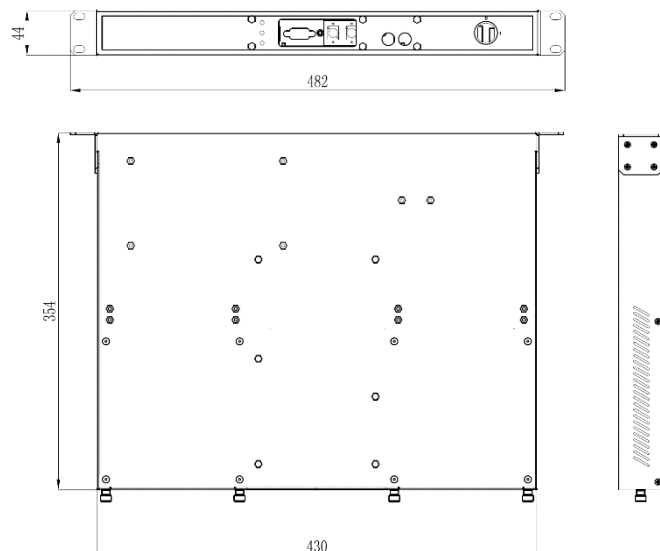


KEY FEATURES

- Output Power: 6dbm~25dbm;
- Output Power Adjustable (Up 0.5dB and Down 4dB);
- APC Output Power Locking Function, Embedded (With) Input/Output Isolator;
- Thick Aluminium Base and Integrated Heat Dissipation Design Increases Lifetime;
- Redundant, Hot Pluggable, Power Supply;
- LED Display Showing Optical Power, Bias Current, Laser Temperature and Cooling Current.

Mechanical

Dimensions (Height x Width x Depth)	44 x 482 x 350	mm
Weight (each)	6.0	kg



General Specifications

Performance Parameter	Specification			Unit
Gain Media(medium)	Er-doped fiber			
Pumping source wavelength	980nm, 1480nm			nm
Power amplifier	Minimum	Typical	Maximum	
Operating wavelength	1530	1550	1565	nm
Input power	-10		10	dBm
Output power		6,13~24		dBm
NF		4.5	8	dB
Polarized related Gain			0.5	dB
Polarization sensitivity			0.2	dB
Reversed ASE power			-30	dBm
Input reflection			-45	dB
Output reflection			-45	dB
Input pumping power leakage			-30	dBm
Output pumping power leakage			-30	dBm

Mechanical Parameters	Specification	Unit
Installation	19" EIA (1U)	---
Connector	FC/PC,FC/APC	---

Operating Condition	Specification	Unit
Voltage	AC 90V~264V/50Hz	V
Power	<20	W
Operating Temperature	-5~+55	°C
Storage Temperature	-30~+70	°C
Operating Humidity	20~95% , Non-condensing	---
Storage Humidity	10~95% , Non-condensing	---

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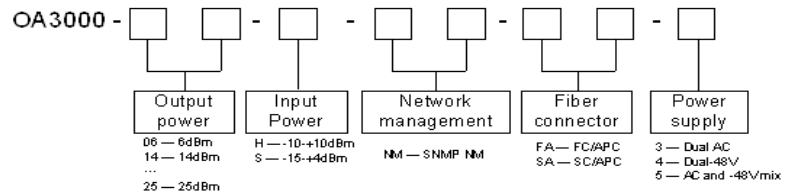
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Due to ongoing product development, technical specifications are subject to change without notice

General Features

Available Options:



Ordering Information

P/N.	Description
OPT5582OA3000192PS	EDFA-19dBm, single pump laser, 19dBm Output Power, -10~+10dBm input power, SNMP, SC/APC or FC/APC connector, dual AC/DC power supply

Contact your local sales representative for product availability in your area and for other interface and option requirements.