

## HIGH POWER MULTIPORT EDFA

## LBA-2000H

### DESCRIPTION

LBA-2000H is our new generation EDFA/EYDFA co-doped Fiber Amplifier. Available in a variety of output powers and multiple outputs. Powered by Dual Switching Power Supplies for Redundancy. Multifunction Touch Screen display monitors parameters, Trouble Alarms and has set-up menu's. LBA2000H offers a low cost solution, perfect for large coverage FTTH applications.



### FEATURES

- Total Touch Screen LCD
- Output Power 27~40dBm
- >40dBm Power is Available
- User Friendly Management System
- PON WDM Optional
- Optical Dual Redundant Power Supply
- 3 Level Cooling System with Micro processor overheating protection

### APPLICATIONS

- CATV,HFC networks
- RFoG,PON networks

### SPECIFICATIONS

#### Optical Characteristics

Parameter	Unit	Value
Optical Input Wavelength	nm	1545 ~ 1565
Optical Input Power	dBm	10~+10
Output Optical Power Per Port	dBm	See Part Number List
Port Numbers	--	See Part Number List
Output Power Tolerance	dB	±0.5
Port Uniformity	dB	± 0.7
Noise Figure <sup>1</sup>	dB	≤ 5.5 (4.8 typical)
Optical Test Port	dB	-5~+5
Return Loss Input/Output	dB	≥ 45
Isolation Output ► Input	dB	≥ 40
Polarization Dependence	dB	≤ 0.3

1. Noise figure at 0 dBm input power, nominal output power and signal wavelength 1550 nm

### General Characteristics

Parameter	Unit	Value
Power Supply	pcs	2 (1 default, 1 optional)
Chassis Type	--	1U, 2U, 19" Rack Mounted
AC Input Voltage	Vac	85~264
DC Input Voltage	Vdc	-36~ -72
Power Consumption	W	≤ 75
Dimension (W x H x D)	mm	483 x 44 x 388 (1U)
	mm	483 x 88 x 388 (2U)
Operating Temperature Range	°C	-5~+45 (ETSI EN 300 019-1-3 Class 3.2)

### Management Interface

Parameter	Value
Data Link Layer	Ethernet 10/100 Base-T, LLDP
Network Layer	IPv4, ICMP
Transport Layer	UDP, TCP
Application Layer	SNMPv1/v2c, DHCP, Web
Connectors	10/100 Base-T
Front Panel Management	3.5" 480 x 320 Color Touch Screen LCD for 2U
	2.4" 320 x 240 Color Touch Screen LCD for 1U

\*All specifications are subjected to change without prior notice.

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## ORDERING MATRIX

		Number of Ports	Output Power per port (dBm)	Connector Type	Powering	Power Socket/Type	# of Power Supply modules	
LBA-2000H	-	<b>XX</b>	-	<b>XX</b>	-	<b>X</b>	-	<b>X</b>
		04	18	SA   SC/APC	AC   85 - 265VAC	A   North America	S   Single	
		08	19	LA   LC/APC	DC   -48VDC	B   Europe	D   Dual	
		16	10			C   Asia		
		32	21			N   None		
		64						

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