

LBAP-2000H HIGH POWER EDFA/PON COMBINER

DESCRIPTION

Lindsay Broadband LBAP-2000H is our new generation 1550 CATV EDFA and PON Combiner using an EDFA/EYDFA co-doped Fiber Amplifier. Each output port of the optical amplifier has a built-in WDM filter allowing for convenient pairing with each OLT port. The CATV 1550nm wavelength is multiplexed with the PON 1310/1490nm wavelengths within the same chassis allowing for reduced cabling and rack space while at the same time improving system reliability. 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. LBAP-2000H offers a low cost solution, perfect for large coverage FTTH applications.

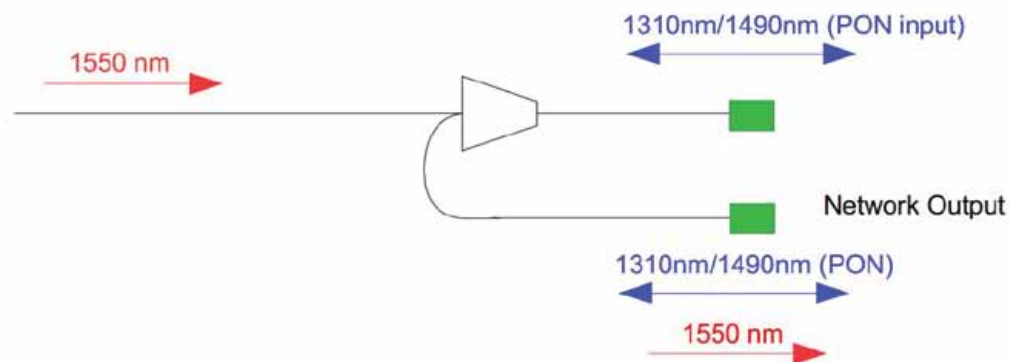


FEATURES

- 1550nm RF/PON WDM combiner
- Total Touch Screen LCD
- Output Power 27~40dBm
- >40dBm Power is Available
- User Friendly Management System
- Optical Dual Redundant Power Supply
- 3 Level Cooling System
- Micro Processor overheating protection

APPLICATIONS

- PON networks with RF Overlay



SPECIFICATIONS

Optical Characteristics		
Parameter	Unit	Value
Optical Input Wavelength	nm	1545 ~ 1565
Optical Input Power	dBm	-10 ~ +10
Output Optical Power	dBm	See Ordering Information
Typical Output Power	dBm	≥ 18
Output Power Stabilization Range	%	30 ~ 100
Port Numbers	--	See Ordering Information
Output Power Tolerance	dB	± 0.5
Port Uniformity	dB	± 0.6
Noise Figure (1)	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 dB input power, nominal output power and signal wavelength 1550nm

*All specifications are subjected to change without prior notice.

Copyright © 2017 Lindsay Broadband Inc.

PON Characteristics		
Parameter	Unit	Value
PON Wavelengths	nm	1260 ~ 1360 & 1480 ~ 1500
Insertion Loss	dB	<1
Isolation CATV ► PON	dB	50 @ 1545 ~ 1565 nm
Isolation COM ► PON	dB	15 @ 1545 ~ 1565 nm
Return Loss	dB	≥ 50

ORDERING MATRIX

LBAP-2000H	Number of Ports	Output Power per port (dBm)	1550nm Connector Type		PON Connector Type		Powering		Power Socket/Type		# of Power Supply modules	
	XX	XX	SA	SC/APC	SA	SC/APC	AC	DC	A	B	C	D
	4	16	SU	SC/UPC	SU	SC/UPC	85 - 265VAC	-48VDC	North America			Single
	8	17							Europe			Dual
	16	18							Asia			
	32	19							None			
	64	20										
		21										
		22*										
		23**										
		24**										

FOR MORE INFORMATION ON OUR WIRELESS, OPTICAL AND RF PRODUCTS

CALL - 1-800-465-7046 OR

U.S. Sales Toll Free: 877-672-4340

www.lindsaybroadbandinc.com