

HF3915C-B2 1550nm Erbium-Ytterbium-Doped Fiber Amplifier



Product Overview

HF3915C-B2 is new generation Er Yb co-doped optical fiber amplifier. It can provide up to 37 dBm total optical with multiple ports in a 2U rack. 1310/1490/1550 WDM for 1550nm CATV overlay PON system is optional. It is designed for large-scale distribution of broadband CATV video , or video overlay in a FTTH PON system.

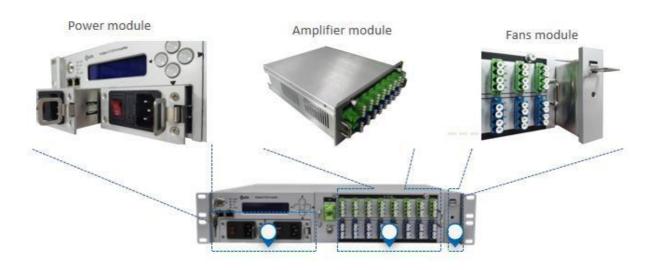
Features

- Single/dual input for choice, built in optical switch for dual input, the switching power can be set by the button in the front panel or by web SNMP, the optical switch can be set to the threshold and manual/ automatic selection.
- Output port quantity is optional, support 8, 16,32
- Output adjustable by buttons in the front panel or web SNMP, the range is -6dBm∼0dBm.
- Maintenance function of one-time downward attenuation of 6dBm by buttons in the front panel or web SNMP, to facilitate the optical fiber hotplug operation without turn off the device.
- Built in 1310/1490/1550WDM, the max output power is 40dBm.
- Standard RJ45 port for remote control, we can provide output contract and web manager for choice, and also plug-in SNMP hardware can be reserved for update.
- Set the parameter of the devices by web.
- With laser key to turn on/off the laser.
- With RF test function in the front panel, output level is 85dBuV.

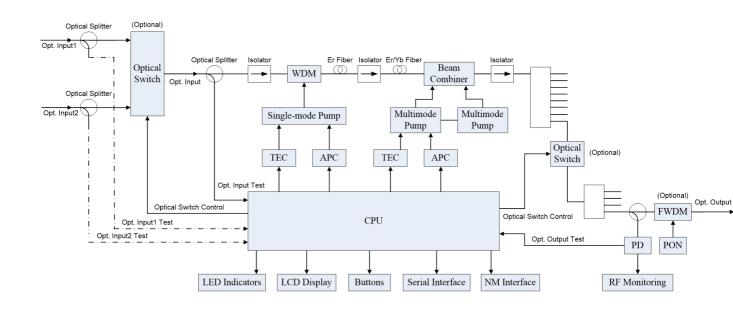
- Adopts America JDSU or Oclaro Pump laser.
- Front panel Led displays the working condition of the machine and the fault warning.
- Dual power hot plug power supply for choice, 220V(85V~264V)AC or 48V(30V~72V)DC.

Diagram

• Module structure illustration:



Schematic:



Parameters

Items	Spe	cifications
Optical Output Power(dBm)	•	
<u> </u>	28~37	
CATV Optical Input Power Range(dBm)	-5∼+10	
Optical Output Power Adjustable Range(dB)	-6∼0	
CATV Wavelength(nm)	1540~1563	
DON Wayslangth(nm)	Upstream	1260~1360
PON Wavelength(nm)	Downstream	1480~1500
Optical Output Power Stability (dB)	-0.5∼+0.5	
Return Loss(dB)	≥45	
Optical Connector	CATV Input	SC/APC
	PON Input	SC/PC (LC/PC optional)
	COMMON Output	SC/APC (LC/APC optional)
Noise Figure (dB)	≤5.5(0dBm optical input)	
Network Management interface	RJ45 interface(support Web and SNMP)	
Power Consumption(W)	≤80	
	AC: 220V	85~264V(compatible with 110VAC)
Power Supply	DC: 48V	30~72V
T (D (%)	Operating Temperature Range	-5∼+60
Temperature Range(℃)	Storage Temperature Range	-20~+60
Storage Relative Humidity (%)	5~95(No condensation)	
Dimension (mm)	440(L)×270(W)×88(H)	
Device Net Weight (Kg)	≤6.0	

Order Information

HF3915C-B2-XX-YY-ZZ

XX:Number of EYDFA output ports.

YY:For example ,18 each output 18dbm and so on

ZZ:Empty:default W:with WDM function WS:WDM+optical switch S:optical switch

Mode1	Function parameter	
HF3915C-B2-1619W	19-inch 2U rack-mounted EYDFA, LCD	
	display, 1550nm working wavelength, 16	
	outputs, each output power 19dBm, SC/APC	
	interface, with 16 FWDM plug-in SC/UPC,	
	with network management function, dual	
	220VAC power supply or -48VDC power	
	supply	
HF3915C-B2-1619WS	19-inch 2U rack-mounted EYDFA, LCD	
	display, 1550nm working wavelength, 16	
	outputs, each output power is 19dBm,	
	SC/APC interface, with 16 channels of	
	FWDM plugged into SC/UPC, with network	
	management function, with optical	
	switch, dual 220VAC Power supply or -	
	48VDC power supply	
	19-inch 2U rack-mounted EYDFA, LCD	
HF3915C-B2-1622W	display, 1550nm working wavelength, 16	
	outputs, each output power 22dBm, SC/APC	
	interface, with 16 FWDM plug-in SC/UPC,	
	with network management function, dual	
	220VAC power supply or -48VDC power	
	supply	
	19-inch 2U rack-mounted EYDFA, LCD	
	display, 1550nm working wavelength, 16	
WP30150 PO 1000W3	outputs, each output power 22dBm, SC/APC	
HF3915C-B2-1622WS	interface, with 16 FWDM plug-in SC/UPC,	
	with network management function, with	
	optical switch, dual 220VAC Power supply	
	or -48VDC power supply	
HF3915C-B2-3219W	19-inch 2U rack-mounted EYDFA, LCD	
	display, 1550nm working wavelength, 32	
	outputs, each output power is 19dBm,	
	SC/APC interface, with 32 channels of	
	FWDM inserted into SC/UPC, with network	



	management function, dual 220VAC power supply or -48VDC power supply
	19-inch 2U rack-mounted EYDFA, LCD display, 1550nm working wavelength, 32 outputs, each output power 19dBm, SC/APC
HF3915C-B2-3219WS	interface, with 32 channels of FWDM plugged into SC/UPC, with network management function, with optical switch, dual 220VAC Power supply or -
	48VDC power supply