

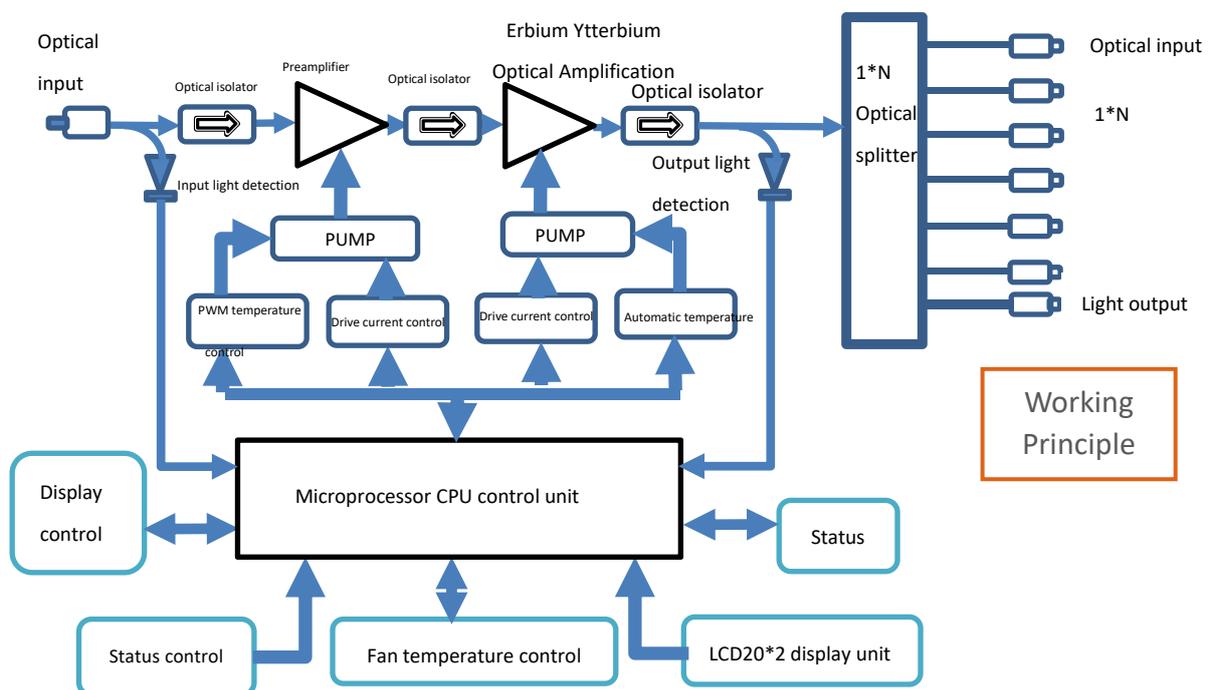
# HF1915Y-B1M-1623W

## EYDFA Module

### Brief Views

HF1915 series erbium-ytterbium co-doped double-clad fiber amplifier module (EYDFA) core device incorporates a high-reliability pump laser, adopts unique APC (automatic power control) and ATC (automatic temperature control) circuit, as well as software control technology, output power Stability, good environmental stability and other characteristics; unique optical path design ensures excellent optical path indicators; high stability and high precision microprocessors are used together with well-designed control software to ensure reliable system automatic adjustment, accurate display parameters, and intelligent operation .

HF1915 series EYDFA consists of two parts: optical gain module and microprocessor control system.



# Optical Characteristics

Describe		Value	Unit	Conditions/Contents
CATV work wavelength		1540 ~ 1563	nm	
PON work wavelength	Upstream	1260 ~ 1360	nm	
	Downstream	1480 ~ 1500; 1574 ~ 1580;	nm	
Input optical power		-5 ~ 10	dBm	
Total output optical power		+27 ~ 33	dBm	
Number of output ports		16	PCS	The number of output ports can be customized to 4 ports or 8 ports
Output power per port		+23	dBm	Customizable +16 ~ 23dBm
Output power adjustable range		-6 ~ 0	dBm	
Output optical power stability		±0.2	dB	
Polarization sensitivity		0.2	dB	
Polarization Mode Dispersion		0.5	PS	
Noise Figure		<5.5	dB	Input 3dBm
Pump light leakage at input and output		<-35	dBm	
Input Reverse Noise Power		<-30	dBm	
Input and output reflection loss		> 45	dB	
CNR		≥51	dB	EYDFA input optical power +5dBm, standard optical transmitter, 10km optical fiber (input 10km optical fiber optical power is not greater than 16.5dBm), ambient temperature 25 °C , in AGC mode, 59 PAL-D carriers, each channel modulation rate is 4.0% , 0dBm optical power input receiver;
CSO		≥60	dB	
CTB		≥65	dB	
Fiber optic connector	CATV optical input	SC/APC		Green flange
	PON optical input	SC/PC		Blue flange
	Mixed output	SC/APC		Green flange

## Product Specification

### Mechanics

Dimensions	440*375*44mm
Weight	About 6kg

### Environment

Working temperature	-25 ~ 70°C
Storage temperature	-25~ 80°C
Storage relative humidity	5 ~ 90% (Non-condensing)

### Power supply requirements

Voltage	12V DC
Power consumption	<50W

## Picture



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