

1550nm Fiber Amplifier Module

HFC-EDFA

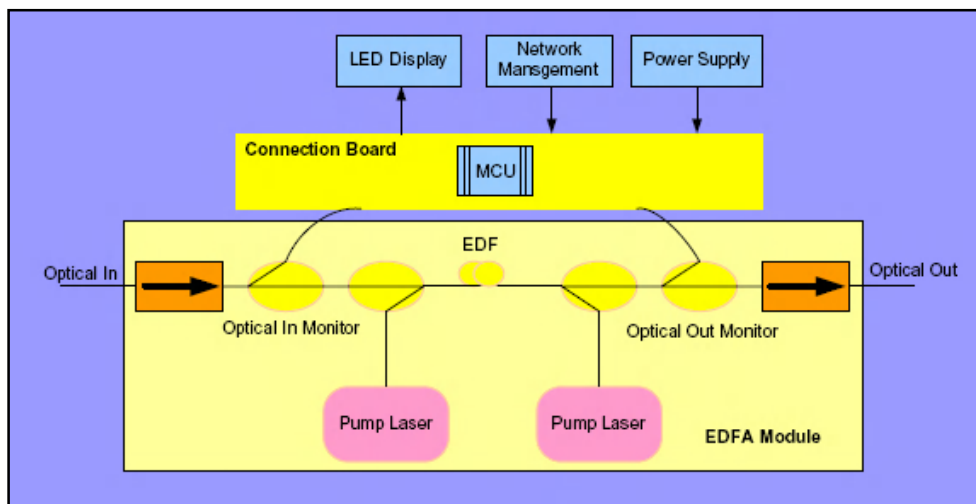
General Description:

HFC-EDFA series 1550nm Fiber Optical module is applied to high performance fiber transmission network and can be used for both analog and digital signals transmission. HFC-EDFA series products contain high reliability single or double Pump Laser of 980 and have low noise figure by unique design technology supplying output optical powers from 14dBm to 23dBm.

The embedded MCU circuit monitors and controls full status parameters and remote communication. All parameters can be accessed through front panel LED or software to control the module from local or remote status monitoring.

Features:

- Output optical powers from 14dBm to 23dBm
- Low noise figure
- High gain
- Single or double Pump Laser design
- High reliability
- To amplify the optical signal for 1550nm
- Panel display functions
- Apply to CATV and Digital Transmission



Absolute Maximum Rating:

Stresses in excess of the absolute maximum ratings can cause permanent damage to the device. These are absolute stress ratings only. Functional operation of the device is not implied at these conditions. Exposure to absolute maximum ratings for extended periods can adversely affect device reliability.

Parameter	Symbol	Unit	Min	Max
Operating temperature	Top	°C	0	50
Storage temperature	Tstg	°C	-40	70
Humidity	H	%		85, non-condensing

Specifications:

Parameter	Unit	Specification	Note
Optical Performance			
Wavelength	nm	1540-1560	--
Input power	dBm	-3 to +10	--
Number of Output ports		1	--
Output power	dBm	14dBm to 23dBm	--
Optical power stability	dB	+/- 0.5	--
Polarization- dependent gain	dB	<0.5	--
Polarization-mode Dispersion	ps	<0.5	--
Return loss	dB	>40	--
Noise figure	dB	<5(power<=20dBm) <5.5(power>20dBm)	--
Connector		SC/APC or FC/APC	
Electrical/Physical Performance			
Supply voltage	VDC	24	
Power consumption	W	<25	--
Dimensions	mm	395D x 24W x 128H	--
Weight	Kg	2	--

Ordering Information:

HFC-EDFA	--	XX	--	XX	--	XX
		Power: 14 = 14dBm 15 = 15dBm 16 = 16dBm 17 = 17dBm 18 = 18dBm 19 = 19dBm 20 = 20dBm 21 = 21dBm 22 = 22dBm 23 = 23dBm		Connector : SA = SC/APC FA = FC/APC		Customer specify