

Rof-EDFA-HP High power output fiber amplifier

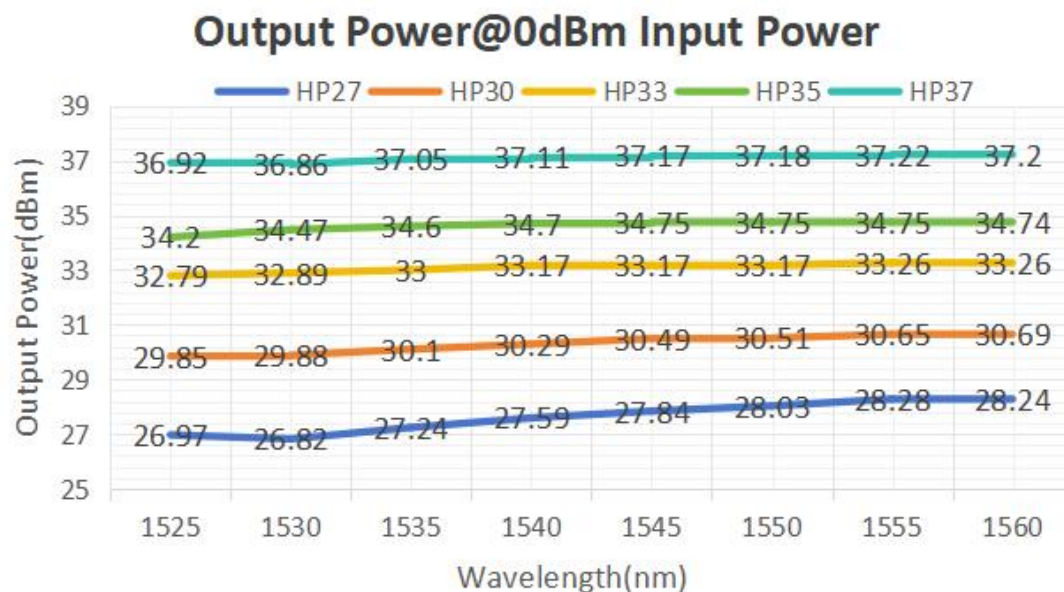
The ROF-EDFA-HP series high-power fiber amplifier adopts the unique optical path structure based on erbium-ytterbium co-doped fiber, reliable pump light source and stable heat dissipation technology to achieve high power output in the range of 1535~1565nm. With high power and low noise point, it can be used in optical fiber communication, lidar and so on.

Feature

- up to 37dBm
- High gain factor
- Wide wavelength range

Application

- Optical fiber communication
- Optical fiber sensing
- Fiber laser





Parameters

Argument		Unit	Min	Typical	Max
Operating wavelength range		nm	1535	-	1565
Input signal power range		dBm	-10	-	10
Saturated output optical power		dBm	-	-	37
Output power adjustable range		-	10%	-	100%
Saturation output optical power stability		dB	-	-	±0.3
Noise index @ Input 0dBm		dB	-	-	6.0
Input optical isolation		dB	-	30	-
Output optical isolation		dB	-	30	-
Input return loss		dB	-	40	-
Output return loss		dB	-	40	-
Polarization dependent gain		dB	-	0.3	0.5
Polarization mode dispersion		ps	-	0.3	-
Fiber type		-	SMF-28		
Output interface		-	FC/APC (For power testing only)		
Communication interface		-	RS232		
Working mode		-	ACC/APC		
Operating voltage	Table type	V(AC)	80		240
	module	V(DC)5A	10	12	13
Package size	Table type	mm	320×220×90		
	module	mm	150×125×16		

Limiting condition

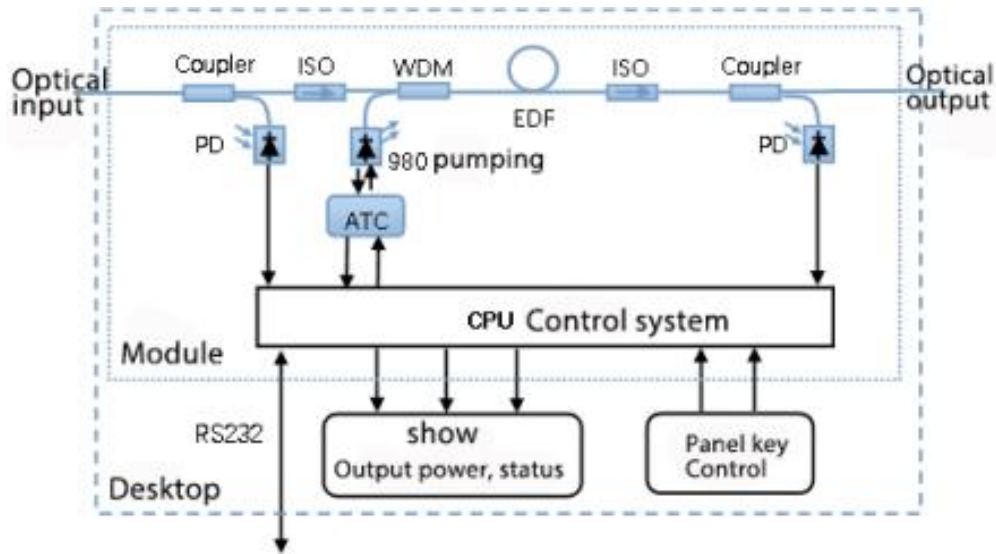
Argument	symbol	Unit	Min	Typical	Max
Operating temperature	Top	°C	-5		55
Storage temperature	Tst	°C	-40		80
humidness	RH	%	5		90

Ordering information

Rof	EDFA	X	XX	X	XX
	Erbium Doped Fiber Amplifier	HP--High power output	Output power 30---30dBm 33---33dBm	Package size: D---desktop M---module	Optical fiber connector: FA---FC/APC FP---FC/PC SP---User assignment

* If you have any special requirements, please contact our sales staff

Product schematic



Structural dimension

