

## High Power Erbium-doped Fiber Amplifier for L-band

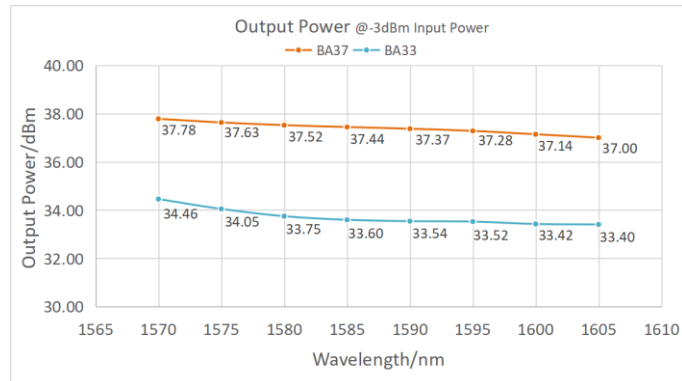
The L-band high-power erbium-doped fiber amplifier is based on the principle of laser amplification of optical signals in erbium-doped fibers. It adopts a dedicated multi-stage optical amplification design and a reliable high-power laser heat dissipation process to achieve high-power output of 1570~1605nm wavelength lasers. It has the advantages of high power and low noise, and can be used in optical fiber communication systems, optical fiber sensing, lidar, etc.

### Characteristics

- High Gain
- High output Power
- Low Noise

### Applications

- Optical Fiber Communications
- Fiber Sensing
- Fiber laser



Optical Parameters	Unit	Typical Value	Remarks
Operating Wavelength	nm	1570~1605	
Input Signal Power	dBm	-6~+10	
Saturation Output Power	dBm	27/30/33/37/40	@-3dBm input
Noise Figure	dB	<6.0	@-3dBm input
Polarization Dependent Gain	dB	<0.5	
Polarization Mode Dispersion	ps	0.5	
Input/output Isolation	dB	>35	
Optical Power Monitoring	-	Input Power/Output Power	
Optical Fiber	-	SMF-28	
Fiber connectors	-	FC/APC	For power test only
Control mode		ACC/APC	

General Parameters		Desktop	Module
Control Function		Keystroke	RS232 serial Communication
Remote control Port		Optional	DB9 Female
Power Supply		AC100~240V, <150W	12V DC, <60W
Dimensions	27/30/33/35 dBm	260(W)×320(D)×120(H)mm	125(W)×150(D)×30(H)mm
	37/40 dBm	360(W)×350(D)×120(H)mm	139(W)×235(D)×70(H)mm
Operation Temperature		-5~+35°C	
Operation Humidity		0~70%	

Ordering Information/ Model Number					
EDFA	wavelength	Type	Saturation Output Power	Fiber	Packaging
	L=L band	HP-BA=High Power Booster Amplifier	27/30/33/37/40 (dBm)	SM=SMF-28	M=module B=Desktop