

High Power Single-Mode Erbium-doped Fiber Amplifier for C-band

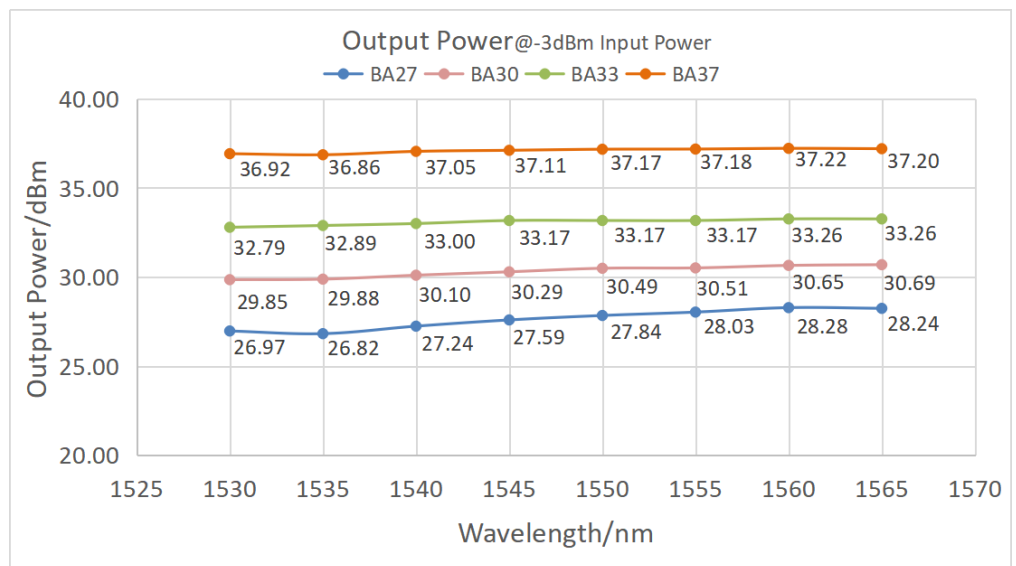
High-power single-mode erbium-doped fiber amplifier (EYDFA-HP) is based on the principle of laser amplification of optical signals in erbium-doped fiber, using unique multi-stage optical amplification design and reliable high-power laser heat dissipation technology to achieve the wavelength range of 1540~1565nm Internal high-power laser output. It has the advantages of high power and low noise, and can be used for optical fiber communication, laser radar, etc.

Key Features

- High Output Power
- High Gain
- Wide wavelength range

Applications

- Fiber Communications
- Fiber Lasers
- Fiber Sensors



For more Info

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Performance Specifications High Power Single-Mode Erbium-doped Fiber Amplifier for C-band

Optical Parameter	Unit	Typical Values	Remark
Wavelength Range	nm	C-band:1540~1565nm	C-band
Input Power	dBm	-6~+10	
Saturated output power	dBm	27/30/33/37/40	@-3dBm input
Noise Figure	dB	<6	@-3dBm input
Gain Flatness	dB	3	
Polarization Dependent Gain	dB	<0.5	
Polarization Mode Dispersion	ps	<0.5	
Input/output Isolation	dB	>35	
Fiber Type	-	SMF-28	1.0m length
Optical Connector	-	FC/APC or Fiber collimator	FC/APC only for low power test *Note 1
Control Mode	-	Automatic current control (ACC) / Automatic power control (APC)	

Electrical and environmental parameters	Desktop	Module
Control Mode	Button	RS232
Communication Interface	* Optional	DB9 Female
Power Supply	100~240V AC, <150W	12V DC, <60W
Dimensions	30~33dBm:260(W)×320(D)×120(H)mm 37~40dBm:360(W)×350(D)×120(H)mm	125(W)×150(D)×30(H)mm *Only for 27/30/33dBm
Operation Temperature Range	-5~+55°C	
Operation Humidity Range	0~70%	

Order information P/N: ①-②-③-④-⑤-⑥

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better.

①	②	③	④	⑤	⑥
EDFA	Operation Wavelength	Amplifier type	Output power(dBm)	Fiber Type	Package Type
	C: C-band	HP-BA: High power BA amplifier	27/30/33/35/37/40	SM: SMF-28e	M: Module B: Desktop

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.