

Erbium-doped Fiber Booster Amplifier for L-band

The L-band erbium-doped fiber booster amplifier is a power amplifier product series dedicated to fiber laser or fiber communication systems. Wavelength covers 1570~1603 nm and has the advantages of high gain and low noise.

Characteristics

- Operation on L band
- High Gain
- High output Power

Applications

- Optical Communications
- Fiber Sensing
- Fiber laser

Optical Parameters	Unit	Typical Value	Remarks
Operating Wavelength	nm	1570~1603	
Input Signal Power	dBm	-6~+3	
Saturation Output Power	dBm	15/17/20/23/25/26	@-3dBm input
Noise Figure	dB	5.0	@-3dBm input
Polarization Dependent Gain	dB	<0.3	
Polarization Mode Dispersion	ps	0.5	
Input/output Isolation	dB	>35	
Optical Power Monitoring	-	Output Power	
Optical Fiber	-	SMF-28	
Fiber connectors	-	FC/APC	
Control mode		ACC/APC	

General Parameters	Desktop	Module
Control Function	Keystroke	RS232 serial Communication
Remote control Port	Optional	DB9 Female
Power Supply	AC100~240V, <30W	DC5V, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(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	BA=Booster Amplifier	15/17/20/23/25/26 (dBm)	SM=SMF-28	M=module B=Desktop