

EDFA Single Mode C+L Band Booster



2023 V1

For customized projects please Contact us:

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EDFA Single Mode C+L Band Booster is a highly efficient fiber amplifier that can amplify optical signals in the power range from -6 DBM to +3dBm or higher.

Its maximum saturation output power can reach 25dBm, which is widely used to improve the transmission power of laser light source.

With excellent performance such as wide wavelength range, high output power and low noise, the product can provide customers with high-quality and stable optical amplification solutions.

Key Features

- Wide Wavelength Range
- High Output Power
- Low Noise

Applications

- Optical Fiber Communication
- Optical Fiber Sensing
- Fiber Lase



Specification

Optical Parameters	Unit	Typical Value	Remarks		
Wavelength Range	nm	1528~1563	C-band		
		1570~1603	L-band		
Input Power	dBm	-6~+3			
Saturation Output Power	dBm	17/20/23/25	@-3dBm Input		
Noise Index	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 Optical Power Monitoring			
Optical Fiber	—	SMF-28			
Fiber Connector	—	FC/APC			
Working Mode		ACC/APC			
General Parameters	Desktop Module	Module			
Control Function	Keystroke	RS232 Serial Port Communication			
Remote Control Port	DB9 Female	DB9 Female			
Power Supply	100~240V AC, <30W	5V DC, <20W			
Dimensions	260(W)×280(D)×120(H)mm	BA17~BA23: 125(W)×150(D)×20(H)mm			
		BA25: 125(W)×150(D)×40(H)mm			
Operating Temperature		-5~+35°C			
Operating Humidity		0~70%			
Ordering Information/Product Code					
EDFA	Wavelength	Amplifier Type	Saturation Output Power (dBm)	Fiber Type	Packaging
	CL=C+L band	BA= Power Amplifier	17/20/23/25	SM= Single Mode Fiber	M=Module B=Table Model

Test Data



