



Erbium Doped Fiber Amplifier Single Mode Booster for C+L Band



2024 V1

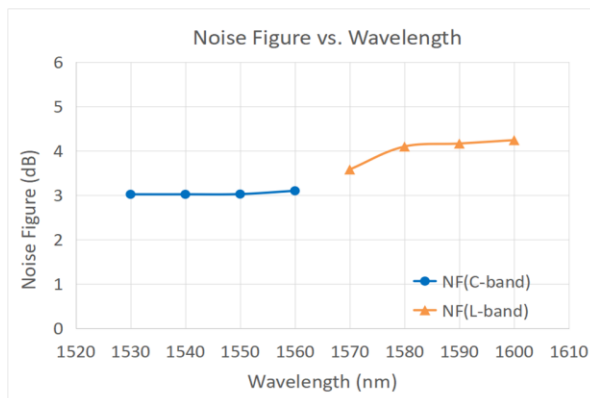
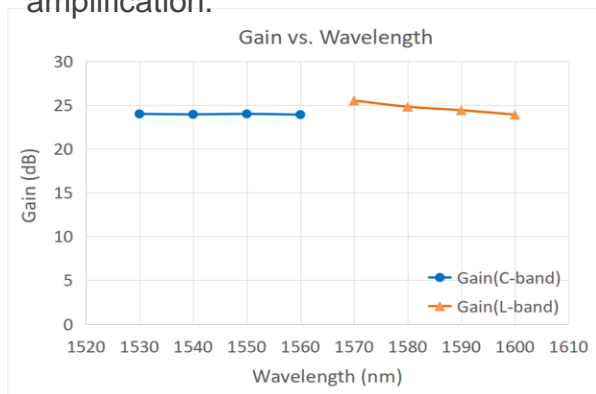
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SM Erbium-doped Fiber Booster Amplifier for C+L Band

SIMTRUM's Single Mode C+L Band Booster Erbium-Doped Fiber Amplifier simultaneously amplifies C-band (1528-1563nm) and L-band (1570-1603nm) signals. Its maximum saturation output power can reach 27dBm, and adapts to signal wavelengths, providing low-noise, high-efficiency optical power amplification.



Gain and noise figure @-3dBm input

Features

- Wide wavelength range
- High output power
- Low noise

Application

- Optical fiber communication
- Fiber optic sensing
- Fiber laser



Specifications

Optical Parameters	Unit	Typical Value	Remarks
Operating Wavelength	nm	1528~1563	C-band
		1570~1603	L-band
Input Signal Power	dBm	-6 ~ +10	
Saturation Output Power	dBm	15/17/20/23/25/26/27	@-3dBm input
Noise Figure	dB	≤5.0	@-3dBm input
Polarization Dependent Gain	dB	≤0.5	
Polarization Mode Dispersion	ps	0.5	
Input/output Isolation	dB	>35	
Optical Power Monitoring	-	Output Power	
Fiber Type	-	SMF-28	
Fiber Connectors		FC/APC	
Control Mode		ACC/APC	

Specifications

General Parameters	Benchtop	Module
Control Function	Keystroke/ RS232 serial communication	RS232 serial communication
Remote Control Port	DB9 Female	DB9 Female
Power Supply	AC100~240V, <30W	DC5V, <20W
Dimensions	260(W)×280(D)×120(H)mm	BA17 ~ 23: 125(W)×150(D)×20(H)mm
		BA25 ~ 27: 125(W)×150(D)×40(H)mm
Operation Temperature	-5~+35°C	
Operation Humidity	0~70%	

Ordering Information/ Product Code

Series	Wavelength(nm)	Amplifier Type	Output Power (dBm)	Fiber	Packaging
STEDFA	CL = C+L band	BA = Power Amplifier	15/17/20/23/25/26/27	SM = Single mode	M - Module
					B - Desktop