Pulse Erbium-doped Fiber Amplifier

Pulsed Erbium-Doped Fiber Amplifier is a series of fiber amplifiers specially designed for low repetition rate picosecond and nanosecond laser pulses. While outputting high peak power laser pulses, the fiber nonlinear effects are minimized, with high gain and low advantage of noise. Support host software control can provide desktop or modular packaging.

Characteristics

- Short Pulse Amplification
- High Peak Power
- Customizable

Applications

- Fiber Communication
- Fiber Sensing
- LiDAR

Optical Parameters	Unit	Typical Value	Remarks
Operating Wavelength	nm	1530~1565	
Pulse Duration	ns	0.1~50	
Pulse Repetition	kHz	1~1000	
Input Peak power	mW	1~10	
Output Peak Power	W	1~1000	
Noise Figure	dB	5.5	
Polarization Dependent Gain	dB	0.5	
Polarization Mode Dispersion	ps	0.5	
Input/output Isolation	dB	>35	
Optical Fiber	-	SMF-28	
Fiber connectors	-	FC/APC	
Control mode	-	ACC	

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	Product Type	Output Peak Power	Fiber	Packaging
	C=C band	PL=Pulse Amplifier	100/200/500/1000	SM=SMF-28	M=Module B=Desktop

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