



## Pulsed Erbium-doped Fiber Amplifier for C-band

Pulsed Erbium-doped Fiber Amplifier for C-band is a series of fiber amplifier products dedicated to picosecond and nanosecond laser pulses. It outputs high peak power laser pulses while minimizing fiber nonlinear effects. It has the advantages of high gain and low noise. Supports PC software control, compact size and easy integration, and can provide desktop or modular packaging.

### Key Features

- Short pulse amplification
- High peak power
- Customizable

### Applications

- Fiber Communications
- Fiber Lasers
- Fiber Sensors



## For more Info

Please contact us at:

Tel: +86-755-23736280

Fax: +86-755-26746512

E-mail: [sales@dkphotonics.com](mailto:sales@dkphotonics.com)

<https://www.dkphotonics.com>

Add.:

4F, Bldg. 18, Qinghu Industrial Park,

Dahe Road, Longhua Dis.,

Shenzhen, China 518109



## Performance Specifications Pulsed Erbium-doped Fiber Amplifier for C-band

Optical Parameter	Unit	Typical Values	Remark
Wavelength Range	nm	1530~1565nm	*Optional bandpass filter
Pulse Width	ns	0.1~50	
Pulse frequency	kHz	1~1000	
Input pulse peak	mW	1~10	
output Peak pulse	W	1~1000	
Noise Figure	dB	5.5	
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	
Control Mode	-	Automatic current control (ACC)	*Note 1

Electrical and environmental parameters	Desktop	Module
Control Mode	Button	RS232
Communication Interface	* Optional	DB9 Female
Power Supply	100~240V AC, <30W	5V DC, <15W
Dimensions	260(W)×280(D)×120(H)mm	125(W)×150(D)×20(H)mm
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 pulse peak power (W)	Fiber Type	Package Type
	C: C-band	PL: pulse amplifier	100/200/500/1000	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.