

Pulsed EDFA Erbium Doped Fiber Amplifier

Module 1550nm 20KHz



- **Product Description**

Pulsed EDFA Erbium-doped Fiber Amplifier Module 1550nm, repetition frequency; 20KHz, pulse width 200ns.

- **Product features**

Pulse amplification capability; High repetition rate; Low noise coefficient;

Compact modularity; Wavelength stability

● Part Number

MP-EDFA-1550-200-SA-P-M

● Application area

Laser ranging | Optical communication systems | Spectral analysis |
Scientific research experiments | Military applications

● Core parameters

Wavelength Range	Pulse Width	Repetition Frequency
1550nm	200ns	20kHz

● General Parameters

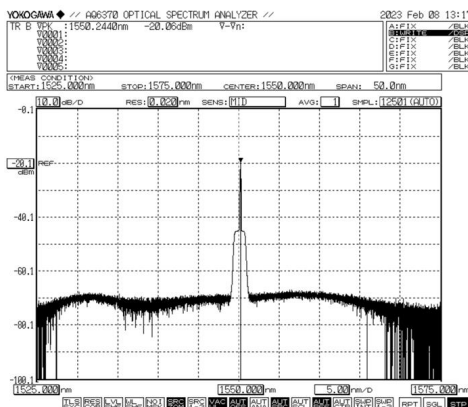
Main Parameters:

Parameters	Unit	Min	Typ	Max	Note
Wavelength range	nm		1550±0.5		
Pulse width			200ns		
Repetition frequency			20KHz		
Input peak power	mW		1		
Input average power	uW		4		@1mW×200ns×20kHz
Output peak power	W		> 100		@200ns,20kHz The average power is about 100mW
Noise figure	dB			5.5	
Polarization-dependent gain	dB			0.5	

Parameters	Unit	Min	Typ	Max	Note
Polarization mode dispersion	ps			0.5	
Input/output isolation	dB		35		
Operating temperature range	°C	-5		+55	
Operating humidity range	%			70	
Pigtail connector type		FC/APC			
Pigtail type		Single mode fiber SMF-28e			
Power supply method	-	DC5v			National Standard
Dimensions	mm	125(W) × 150(D) × 20(H)			
Communication interface and control method	-	RS232 DB9			Host computer software version V20220708
Working mode	-	ACC:Automatic pump current control			Maximum current 900mA

Input and output spectra:

(Test conditions: peak 1mW/20kHz/200ns input, average power 160mW output, drive current 900mA, ACC mode)



Output power-driving current curve (P-I):

