

# Dual pulse Erbium-Doped Optical Amplifier

## ➤ Product Description

Dual-pulse EDFA products have been widely used in optical fiber sensing, Wind LIDAR, Hydrophone systems and other fields. This product can keep intact waveform during amplifying the optical signal. The product can be configured as AGC, APC or ACC working mode through GUI. Using high practical temperature control technology, the product has excellent thermal performance in a wide temperature range.

## ➤ Product Specification

Parameter	Unit	Min	Type	Max
Wavelength	nm	1529	1550.12	1563
Pulse width	ns	20	100	500
Repetition frequency	Hz	1K	2K	100M
Input average power	dBm	-30	-20	-10
Output average power	dBm	-10	5	12
Noise Figure	dB		5	5.5
Gain	dB		20	30
Isolation	dB	30		
Operation temperature	°C	-20		55
Storage temperature	°C	-40		85
Supply voltage	V	4.75	5	5.25
Power consumption	W			30
Pigtail Length	cm	100±2		
Pigtail type		FC/APC, 900um		

## ✧ Product Feature

- 1) Keep the intact waveform
- 2) Use two optical circulator to meet the bidirectional transmission
- 3) Two channel EDFAs are independent control
- 4) AGC/APC/ACC operation mode
- 5) Low noise figure and power consumption
- 6) High stability and reliability
- 7) Customizable

## ✧ Main Application

- 1) Optical fiber sensing
  - 2) Test wind LIDAR
  - 3) Hydrophone system
  - 4) College and research institute
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➤ **Mechanical Size**

