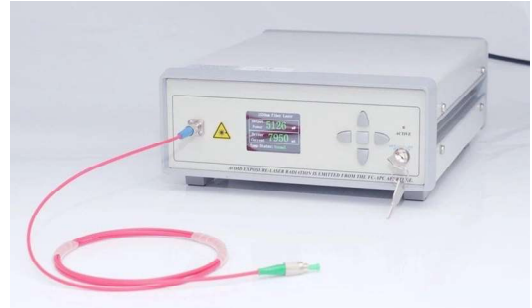


Single Channel Erbium-doped Fiber In-Line Amplifier

1. Description:

The Line amplifier (LA) is an optical power amplifier product dedicated to line relay in fiber laser or fiber communication system. It combines the advantages of PA amplifier and BA amplifier. Which with high gain, high transmit power, and relatively low noise. Between the optical fiber segments to increase the relay length or the corresponding single-point to multi-point part of the optical access network to compensate for branch losses.



2. Features:

- Wide wavelength range
- High gain factor
- High output power

3. Applications:

- Optical fiber communication
- Optical fiber sensor
- Fiber laser.

4. Electro-Optical Characteristics:

Parameters	Unit	Value	Notes
Operating wavelength	nm	1530~1565	C-band
Input power	dBm	-25~+6	
Saturated output power	dBm	13/17/23/25/26	@-10dBm Input
Small signal gain coefficient	dB	35	@-25dBm Input
Noise figure	dB	5.5	@-10dBm Input
Gain flatness	dB	3	
Polarization dependent gain	dB	0.5	
Polarization mode dispersion	ps	0.5	
Input/Output isolation	dB	>35	
Fiber type	-	SMF-28e or Panda PM	
Polarization Extinction Ratio	dB	>20	For PM version only. Each connector may reduce ER 2dB
Connector	-	FC/APC	
Operating mode	-	ACC/APC	
Dimensions	mm	260(W)×280(D)×120(H)	Benchtop
		125(W)×150(D)×20(H)	Module

Power supply	V	AC 110~240V, <30W@25°C	Benchtop
		5VDC, <15W	Module
Control mode	-	RS232 Serial communication	Module
Communication Interface	-	DB9 Female	Module
Operating temperature	°C	-5~ +55	
Operating humidity range	%	0~70	

5. Ordering information:

EDFA	Wavelength	EDFA Type	Saturated Output Power	Fiber type	Dimension
Erbium-doped Fiber Amplifier	C: C-band	LA: In-Line Amp	15: 15dBm 20: 20dBm 26: 26dBm Other	S - SMF-28e P – Panda PM	M: Module B: Benchtop