



Opto-Link  
Corporation Ltd

# C-Band Single Channel Bench Top EDFA

Output Power: 33dBm

The C-Band single channel bench top EDFA is conveniently packaged for use in a laboratory environment. This device features high output power, high gain, low power consumption and low noise figure.



## Features

- Wide Bandwidth: 1535~1565nm
- Saturated Output Power from 21 to 37dBm
- Isolated Input & Output Ports
- Low Noise Figure (Over the Full Bandwidth)
- Turnkey Devices
- Input & Output Monitor Photodiodes
- GPIB & RS232 Interface Control
- Microprocessor Control of Operating Parameters & Alarms
- Automatic Power Control (APC)
- Automatic Current Control (ACC)
- Bench-Top or Rack-Mountable Unit

## SPECIFICATIONS

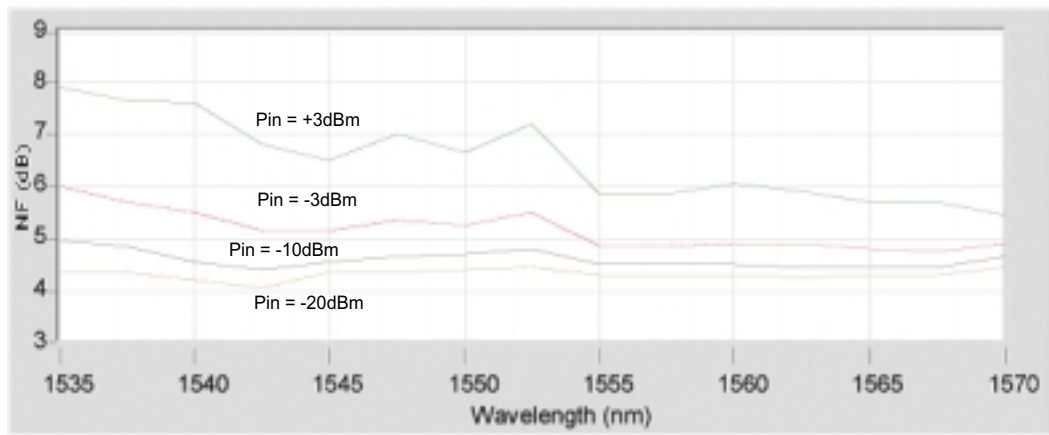
Parameter	Value	Units
Optical Bandwidth	1535 ~ 1565	nm
Saturated Output Power	33 (at Pin = -3dBm)	dBm
Optical Input Power	-15 to +5	dBm
Noise Figure	<6.5	dB
Small Signal Gain	>40	dB
Gain Variation	<1.5 (at Pin = -3dBm)	dB
Polarization Dependent Gain	<0.5	dB
Polarization Mode Dispersion	<1	ps
Optical Isolation	>30	dB
Return Loss	<-40	dB
AC Voltage	85 - 264, 47 - 63Hz	V
Power Consumption	30 ~ 100 (Depending on Output Power)	W
Operating Case Temperature	+5 to +55	°C
Storage Temperature	-40 to +75	°C
Size	160x260x380 (Bench Top), 88x427x446 (Rack Mount)	mm
Fiber Type	SMF-28	
Standard Connector	FC/APC	
Interface	GPIB, RS232	
Control	ACC, APC	



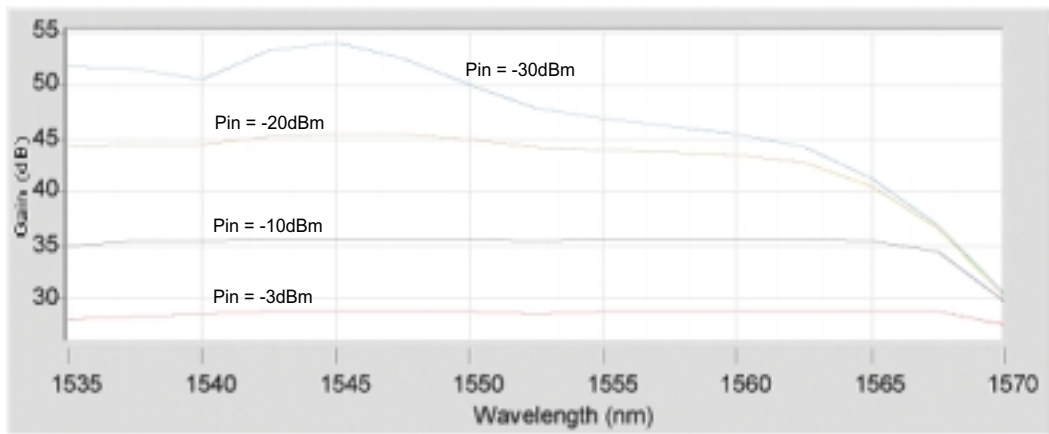
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## SATURATED OUTPUT POWER = 25dBm IN ACC MODE

Noise Figure (dB)



Gain (dB)



## ORDERING CODES

OLEDFA - B - [ ] - [ ] - [ ] - [ ]

Amplifier Type	Code
Boost Amplifier	B
Line Amplifier	L
Pre-amplifier	P

Wavelength	Code
C-Band	C

Output Power	Code
33dBm	33
Specify	XX

Connector Type	Code
No Connector	NC
FC/UPC	FU
SC/UPC	SU
FC/APC	FA
SC/APC	SA
MU/UPC	MU
Others	XX