

# DATA SHEET

## Erbium-Doped Fiber Amplifier (EDFA) - DWDM Series without Controller



[www.gouldfo.com](http://www.gouldfo.com)

**This is the New Power of Gould!**

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This EDFA product line is a cost-efficient solution for dense wavelength division multiplexing (DWDM) applications where high performance and reliability are critical.. They are available in Booster, Inline and Pre-amplifier configurations to cover a wide range of applications in the full C-Band. Meets Telcordia GR-1312-CORE requirements.

### FEATURES

- Excellent gain flatness over the full C-Band
- High saturated output power
- Low noise figure
- Compact packaging
- Wide operating wavelength range

### APPLICATIONS

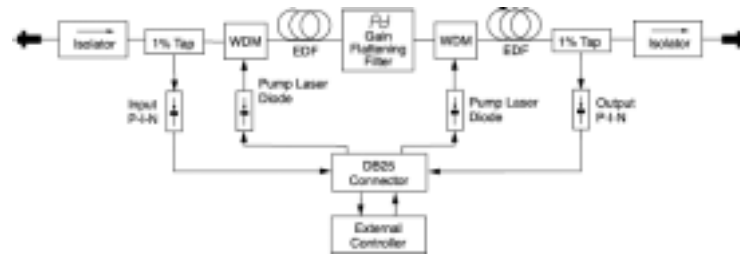
- High performance full C-Band DWDM systems
- Multimedia communication DWDM systems
- Optical access network DWDM systems
- Long haul optical transmission systems



### SPECIFICATIONS

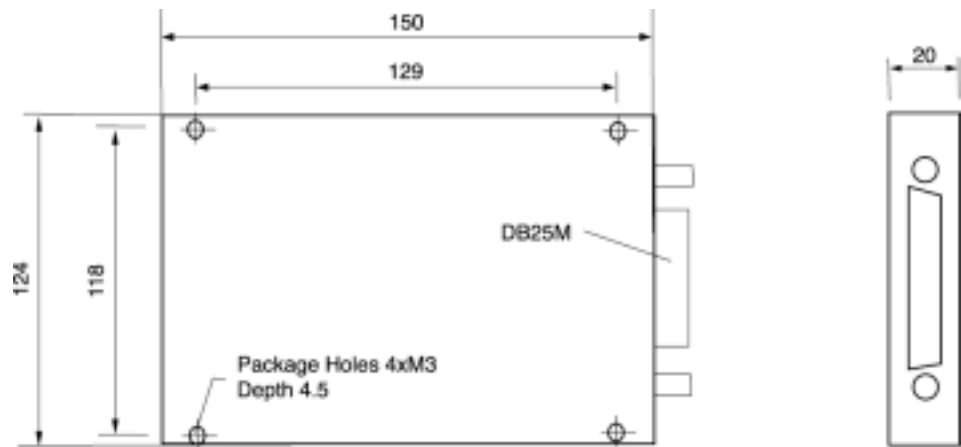
Parameter	Min	Typ	Max
Operation Wavelength nm	1530		1565
Optical Gain dBm		25	
Output Optical Power dBm		17	
Gain Flatness dB		<1.0	<1.5
Noise Figure dB		5.0	
Reverse ASE Power dBm		<-20	
Pump Leakage to Input/Output		-30	
Input/Output Return Loss dB		50/50	
Polarization Dependent Gain dB			0.3
Electronic Interface		DB25 (male)	
Operation Temperature °C	0 - +65		
Storage Temperature °C	-25 - +70		
Package Dimensions mm	150 x 124 x 20		

## BLOCK DIAGRAM

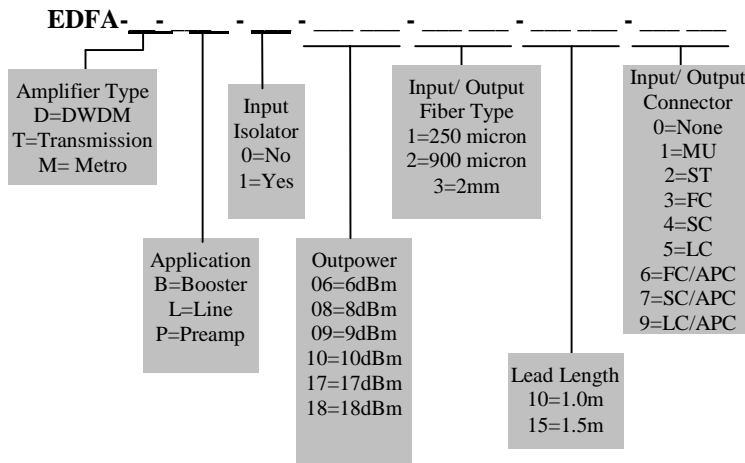


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EDFA-  
DWDM  
Series without  
Controller

## PACKAGE DIMENSIONS



## ODERING INFORMATION



To order or for more information, please contact us at:

Phone: 1-410-987-5600

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#### SAFETY INFORMATION AND HANDLING PRECAUTIONS

EDFAs are class III laser products. Please read carefully the following safety information prior to handling and installing.



The signal output of the pump laser and EDFA is invisible, yet it can be of high power level and therefore can cause damage to the eyes or skin. Please do not look at the fiber cross section directly without protection devices.



There are precision optical devices inside the EDFA; therefore extreme care should be taken not to impose excess vibration or shaking. Care should also be taken in handling the pigtail fibers since they are easily broken.



There are static sensitive devices inside the EDFA, please make sure proper grounding and electrical power connection.



Do not attempt to open the EDFA by any unauthorized personnel. Please contact Gould technical support for assistance.