

***Next Generation  
Transport Network***



OPTICAL AMPLIFIER FOR DWDM

## **PLEXSTAR EDFA40**

### Product Overview:

Plexstar<sup>®</sup> EDFA40 is a low profile ultra light optical amplifier that amplifies an optical signal directly without the need to first converting it to an electrical signal. It has builtin Chromatic Dispersion Compensation (CDC) module which enables reliable transmission up to 10G per lambda.

### Application/Use:

- Amplification of optical power
- Ideal for repeating all 40 lambdas of 10G traffic at repeating stations

### Features:

- High optical gain
- Amplifies entire C-Band (40 lambdas)
- High saturation output power
- Highly precise AGC and ATC circuit
- Adjustable gain via network
- Network management
- Gain up to 32dB

## CDC Module:

- Chromatic Dispersion Compensation (CDC) module provides negative dispersion for DWDM transmission
- Compensates dispersion on SMF fiber across entire C-Band (80 lambdas)
- Can be used as Link pre-compensation, Inline-compensation, Post-compensation

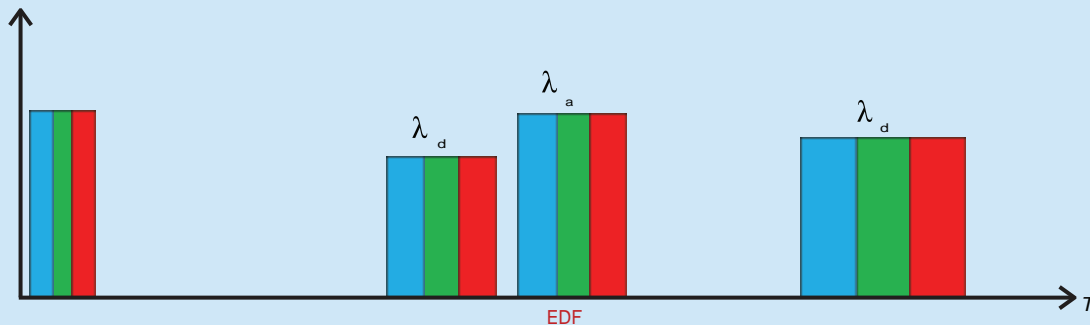
## Power:

- Input power: 110/220VAC or -48DC
- Power consumption: 60 watts
- Dual power input

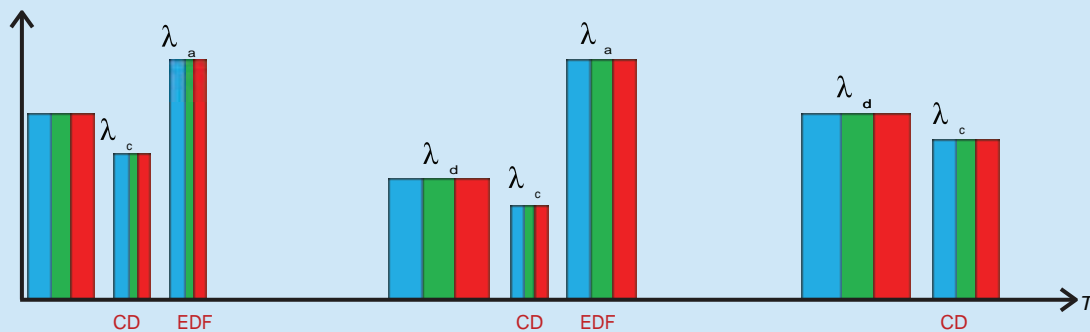
## Physical Dimension:

- Size: 19" x 11" x 1U
- Weight: 5 lbs

### Dispersion Compensation Graph



Without Plexstar EDFA40



With Plexstar EDFA40