17dBm Output In-Line DWDM EDFA C-band 17dB Gain

Plug-in Card Type for FMT Multi-Service Transport System

Description

The multi-channel In-Line Amplifier DWDM EDFA features stable output power, low noise and power consumption. The kernel components of the product are high-availability pump laser and high-performance gain flattening filters.

Both input and output signals are sampled and monitored with a feedback circuit. AGC (Automatic Gain Control) circuit is designed into the amplifier to ensure high output power stability and reliability.

Features

- Prevent the eyes from highlight
- Support single and dual fiber operation
- Highly integrated with FMT management platform
- Support up to 40ch DWDM wavelengths in the C-band
- Support AGC (Automatic Gain-Control) operation modes
- Front panel blue display, show various main work status parameters
- Online status LEDs and LCD for monitoring and alarm on the EDFA input and output
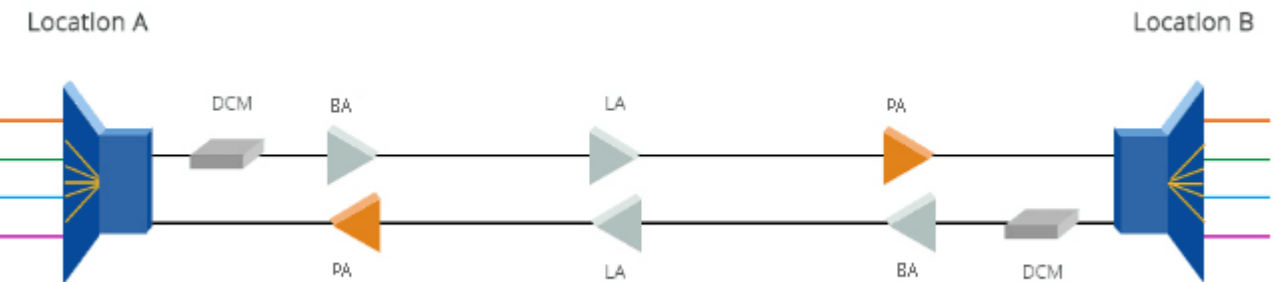
Application

- C-band 40CH DWDM
- Other optical systems

Product Specifications

Amplifier Type	In-Line Amplifier	Operation Wavelength	C21-C60
Optical Gain	17dB	Gain Flatness	1dB (Typical)
Input Power	-20dBm~+5dBm	Saturated Output Power	≤17dBm
Single Channel Input Power	-16dBm (Typical)	Single Channel Output Power	1dBm (Typical)
Noise Figure	4.5dB (Typical)	Return Loss	<-45dB
Optical Connector	LC/UPC	Management	SNMP, Monitor Online, Simple Management Tool
Operation Mode	AGC	For Use With	FMT managed chassis
Approvals	CE, FCC, RoHS	Power Consumption	≤10W
Operation Temperature	-10°C~+60°C	Storage Temperature	-20°C~+75°C

In-Line Amplifier for DWDM Network up to 120 km

The In-Line Amplifier is a low-noise, gain-flattened C-band optical erbium doped fiber amplifier (EDFA), designed to extend the distance in dense wavelength-division multiplexing (DWDM) optical infrastructure. It provides customers with the capability to extend their optical infrastructure over greater distances.

Dimensions

4-slot 1U managed chassis, supports up to 4x multiplexer/EDFA/OEO/OLP card with accessories;
- Width: 482.6mm (19")
- Height: 44.50mm (1.75")
- Depth: 300mm (11.81")

EDFA plug-in card occupies one slot.

Ordering Information (100 GHz ITU DWDM Grid)

ID	Type	Gain (dB)	Output (dBm)	Housing	Connectors	Wavelength (nm)
#78227	Booster Amplifier	20	20	Pluggable Card	LC/UPC	C-band
#72283	Booster Amplifier	17	17	Pluggable Card	LC/UPC	C-band
#36501	Booster Amplifier	24	22	Pluggable Card	LC/UPC	C-band
#36524	Pre-Amplifier	26	16	Pluggable Card	LC/UPC	C-band
#72284	Pre-Amplifier	20	13	Pluggable Card	LC/UPC	C-band
#36592	In-Line Amplifier	17	17	Pluggable Card	LC/UPC	C-band

*Standard products are listed above. Customized specifications are available upon request.

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