

22dBm Output Booster DWDM EDFA C-band 24dB Gain

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



Description

The multi-channel Booster 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 48ch 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

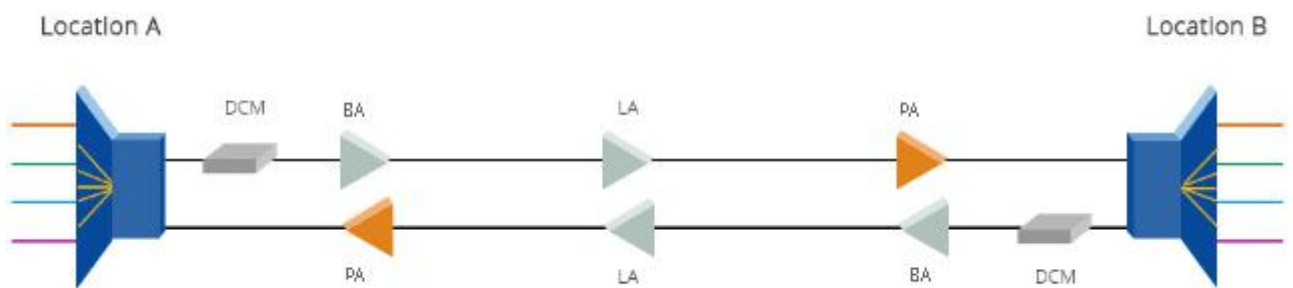
- C-band 40CH DWDM
- Other optical systems

Product Specifications

Amplifier Type	Booster Amplifier	Operation Wavelength	C21-C60
Optical Gain	24dB	Gain Flatness	1dB (Typical)
Input Power	-25dBm~0dBm	Saturated Output Power	≤22dBm
Single Channel Input Power	-18dBm (Typical)	Single Channel Output Power	6dBm (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
Operation Temperature	-5° C~55° C	Storage Temperature	-40° C~85° C

Booster Amplifier for DWDM Network up to 120 km

The Booster 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)
#36501	Booster Amplifier	24	22	Plug-in Card Type	LC/UPC	C-band
#72283	Booster Amplifier	17	17	Plug-in Card Type	LC/UPC	C-band
#36524	Pre-Amplifier	26	16	Plug-in Card Type	LC/UPC	C-band
#72284	Pre-Amplifier	20	13	Plug-in Card Type	LC/UPC	C-band
#36592	In-Line Amplifier	17	17	Plug-in Card Type	LC/UPC	C-band

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



 <https://www.fs.com>



All statements, technical information, and recommendations related to the products here are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. Please contact FS for more information.