



EDFA-FGA Card

Product Description

Fixed-gain optical amplifier FGA board is an important part of OSP products, the product used in DWDM transmission system, to achieve the signal relay amplification, to extend the transmission distance. It can be divided into BA, PA, LA, etc. BA is used to improve the output power of the transmitter, LA is used to compensate the optical power loss on the line, PA is used to improve the receiver sensitivity. FGA is using the erbium-doped fiber as a gain medium, 980 or 1480nm pump laser as a pump source to realize one-stage amplifier or two-stage amplifier.

Product Features

- Support hot swapping, low power consumption and low noise figure
- Adjustable gain
- Support 48-wave / 96-wave DWDM signal amplification
- Provide output monitor port
- Conform to the RoHS
- Used in various communication systems such as DWDM / OTN

Product Specification

Parameter	Index			
	OA1420	OA1820	OA2220	OA2520
Operation wavelength	1529 ~ 1568nm			
Input optical power	-13 ~ +7dBm	-17 ~ +3dBm	-21 ~ -1dBm	-24 ~ -4dBm
Gain	14dB	18dB	22dB	25dB
Saturation output optical power	20dBm			
Noise figure	5.5dB			
Gain flatness	1.5dB			
Card width	1 standard slot			
Maximum power consumption	20W			
Connector type	LC/UPC			