

EDFA Multi-Channel Gain Block Series



Product Introduction

EDFA-GW pure optical gain block series are specially designed for DWDM transmission system with compact package, and can be integrated into EDFA card or sub rack according to customer's application requirements.

Features

- High output optical power with low noise figure
- Wide operating wavelength range with excellent gain flatness performance
- High reliability

Applications

- Long-distance backbone network
- Metro network or optical access network
- DWDM transmission system

Standards

- Telcordia GR-1312-CORE
- RoHS

Specifications

Parameter	Unit	Specifications								
		BA			LA			PA		
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
Operating Wavelength	nm	1528		1562	1528		1562	1528		1562
Output Power	dBm		17			17			13	
Gain	dB		25			25			25	
Gain Flatness	dB		0.6	1.5		1	2		0.6	1.5
Noise Figure	dB		5			5			5	
In/Out Return Loss	dB	Typ 45/45								
Polarization Dependent Gain	dB	Max 0.3								
Operation Temperature	°C	-5~+55								
Storage Temperature	°C	-25~+70								
Power consumption	W	Max 10								
Package	mm	90x70x12								

Ordering Information

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Connector: Blank:no connector、FC SC,LC,MU/UPC,APC

Fiber length: 1:1m、customer specify

Fiber Dia.: 09: $\varnothing 0.9\text{mm}$ 、customer specify

Output Power: 17:17dBm、customer specify

Rated Gain: 25:25dB、customer specify

Operating Wavelength: 16:1545~1561nm、32: 1535~1561nm、
40:1528~1562nm、48: 1528~1568nm、
customer specify

EDFA Type: BA、LA、PA