

EDFA-GC Gain Block Series



EDFA-GC series are specially designed for single channel fiber system with compact package, and can be integrated into EDFA card or sub rack according to customer's application requirements.

The products are Telcordia GR-1312-CORE qualified, and RoHS compliant.

Features

- Wide operating wavelength range
- Compact package
- High reliability

Applications

- SDH/PDH system
- Datacom system

Specifications

Parameter	Unit	Value								
		BA			LA			PA		
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
Operation Wavelength	nm	1530		1565	1530		1565	1530		1565
Input Power	dBm		0			-10			-35	
Output Power	dBm		13			10				
Optical Gain	dB					25			20	
Noise Figure	dB		5.0			5.0			4.0	
Input/Output Return Loss	dB	Typ. 45/45								
Polarization Dependent Gain	dB	Max. 0.5								
Polarization Mode Dispersion	ps	Max. 0.5								
Power Consumption	W	6								
Operation Temperature	°C	-5~+55								
Storage Temperature	°C	-25~+70								
Package	mm	90×70×12(without heatsink)								

Ordering information

EDFA — GC — BA — — — —

Output Power	Fiber Dia.	Fiber Length	Connector
13:13dBm customer specify	09: Φ0.9mm	1:1m customer specify	FC,SC,LC,MU/PC,UPC,APC

EDFA — GC — LA — — — —

Rated Gain	Output Power	Fiber Dia.	Fiber Length	Connector
25:25dB customer specify	10:10dBm customer specify	09: Φ0.9mm	1:1m customer specify	FC,SC,LC,MU/PC,UPC,APC

EDFA — GC — PA — — — —

Rated Gain	Central Wavelength	Passband Width	Fiber Dia.	Fiber Length	Connector
20:20dB customer specify	Fixed filter: 1: 1550.12nm 2: 1550.92nm C: without filter	Fixed filter: 0.4 : 0.4nm 0.8 : 0.8nm	09: Φ0.9mm	1:1m customer specify	FC,SC,LC,MU/PC,UPC,APC