

Burst Mode EDFA Series



Product Introduction

Burst mode EDFA is special customized EDFA for NG-PON2 and other applications with burst mode transmitter. Different from traditional EDFA, it can easily suppress overshoot during the burst process using optical and electrical associated technology. It features excellent optical performance, such as NF, PDG, GF, and high reliability.

Features

- Overshoot less than 1dB
- Noise Figure less than 5.5dB
- Gain adjustable range up to 10dB
- Integrated with DEMUX
- RS232 interface with monitoring, alarms and safety shut-down

Applications

- NG-PON2
- Other TWDM-PON or WDM-PON

Standards

- Telcordia GR-1312-CORE
- RoHS

Specifications

Parameter	Unit	Specification			Note
		MIN.	TYP.	MAX.	
Operation wavelength	nm	C1: 1532.68nm			Customer specify
		C2: 1533.47nm			
		C3: 1534.25nm			
		C4: 1535.04nm			
Central wavelength accuracy	nm			+/-0.05	@room temperature only for ch1~4
Pass band@1dB	nm		+/-0.15		
Adjacent channel isolation	dB	30			
Non_adjacent channel isolation	dB	45			
Noise figure	dB			5.8	@Maximum gain

Per channel input power range	dBm	-35		-12	
Total input power range	dBm	-35		-6	
Per channel maximum output power	dBm	-6			
Maximum output power	dBm	0			@detection point
Gain uniformity	dB		0.8	2	@Full temperature
Optimal gain	dB			11	
Input/output port return loss	dB	45			
PDG	dB			0.3	
Directivity	dB	50			

Ordering Information (针对无源产品及子系统产品)

The above specification represents the typical performance of Accelink Burst Mode EDFA. Please contact our technical support to discuss your specific requirements.