

## EDFA Array



### Product Introduction

EDFA Array series feature flexible output power and ultra-low noise figure within an compact size fit for one slot applications. The green design made it has very low power consumption with highly efficiency. The fully independent control design built the EDFA Array operating free of interaction between each amplification units and also provide the amplifiers excellent dynamic performance. The full drop, full add and mixed with drop/add amplifications can be built upon customer request.

### Features

- Ultra compact size with highly functionality integration
- Flexible output power and ultra-low noise figure
- Low power consumption with highly efficiency

### Applications

- ROADM system
- Parallel telecommunications

### Standards

- Telcordia GR-1312-CORE
- RoHS

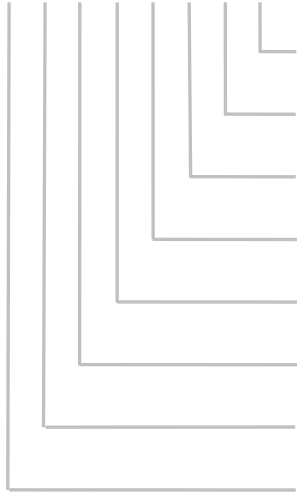
### Specifications

Parameter	Unit	Specifications		
		Min.	Typ.	Max.
Operation wavelength	nm	1529		1563
Add EDFAs	Input power range	dBm	-23	-3
	Output power range	dBm	-3	17
	Optimal gain	dB		20
	Noise figure	dB		5.5
	Gain flatness vs. wavelength	dB	-0.5	
Drop EDFAs	Input power range	dBm	-20	0
	Output power range	dBm	0	20
	Optimal gain	dB		20
	Noise figure	dB		5.5
	Gain flatness vs. wavelength	dB	-0.5	
PDG	dB			0.3
Polarization-mode dispersion	ps			0.5

Input Transient Time	ms	0.1		
Transient Gain Offset	dB			0.5
Transient gain excursion ( @16dB Add/Drop)	dB	-0.8		0.8
Transient gain excursion ( @3dB Add/Drop)	dB	-0.5		0.5
Transient settling time	ms			0.5
Operation Temperature	°C	-5 ~ 55		
Total Power consumption	W	35		
Power supply voltage	V	4.75	5	5.25

### 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: φ0.9mm、customer specify

Drop Unit Output Power: 15:15dBm、customer specify

Drop Unit Gain: 20:20dB、customer specify

Add Unit Output Power: 20:20dBm、customer specify

Add Unit Gain: 17:17dB、customer specify

Array Units: A02: 2 Amp Units、A04: 4 Amp Units

A08: 8 Amp Units、A16: 16 Amp Units