

PRODUCT INTRODUCTION

C+L Band EDFA



C+L band EDFA can amplify C band and L band signal simultaneously. The module can realize low noise figure and excellent gain flatness. The control mode is ACC/APC/AGC. The high-reliability components and temperature controlling techniques ensure the product's excellent thermal performance under a wide temperature range.

+ Features

- C&L band operating bandwidth
- Low noise figure and power consumption
- High stability and reliability
- Operation mode ACC/APC/AGC
- Customizable

+ Applications

- LAN and OAN
- Universities and research institutes
- DWDM transmission system

Parameters

Specifications

Type	ERA-M-C/L-GB-XX/XX-1-1/1* ①		
Parameters	Minimum	Typical	Maximum
Wave length (nm)	1528 ~ 1567 & 1575 ~ 1605		
Input power (dBm)	-35	-30	0
Output power (dBm)	-	-10	20
Gain (dB)	-	20	-
Noise figure (dB)	-	5.5	6
Gain flatness (dB)	-	3.5	-
Return loss (dB)	-	-	-45
Polarization dependent gain (dB)	-	-	0.5
Polarization mode dispersion (ps)	-	-	0.5
Operating temperature (°C)	-5	-	55
Storage temperature (°C)	-40	-	85
Power supply (V)	4.75	5.00	5.25
Power consumption (W)	-	-	20
Communication interface	RS232		
Electrical connector	AMP 4-1470209-8 or Customizable		
Optical interface type	LC/UPC or Customizable		
Pigtail length (cm)	> 50		
Dimension (mm)	130 (L) ×100 (W) ×15 (H)		

*① ERA-M-C/L-GB-XX/XX-1-1/1, where XX/XX represent output power and gain respectively