

C+L Band EDFA Module

C+L band EDFA module 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 excellent thermal performance under a wide temperature range.

Characteristics

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

Applications

- Metro network and optical access network
- DWDM transmission system
- Universities and Institutes



Specifications

Product Type	ERA-M-C/L-GB-XX/XX-1-1/1 *①		
Parameters	Minimum	Typical	Maximum
Wavelength (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	-	50
Storage Temperature (°C)	-40	-	85
Power Supply (V)	4.75	5.00	5.25
Power Consumption (W)	-	-	20
Communication Interface	RS232		
Electric Connector	AMP 4-1470209-8 or Customized		
Optical Connector	LC/UPC or Customized		
Pigtail Length (cm)	> 50		
Dimension (mm)	130 (L) × 100 (W) × 15 (H)		

*① ERA-M-C/L-GB-XX/XX-1-1/1, the first XX means output power, and the second XX means gain