

Optical Amplifier Module

Polarization Maintaining EDFA Module

The polarization maintaining (PM) EDFA product has been widely used in the fields of optical fibre sensing and optical fibre communication. PM EDFA uses 980 nm pump laser to provide energy with all polarization maintaining passive components, it has a high output extinction ratio. The product can be operated in AGC, APC or ACC operating mode. The high-reliability temperature-controlling technology ensures the product excellent thermal performance under a wide temperature range.

Characteristics

- Up to 23 dBm output power
- ACC/APC/AGC control mode
- Low noise figure and power consumption
- High stability and reliability
- Customized

Applications

- Optical fibre sensing
- PM optical communication system
- Universities and institutes



Specifications

Product Type	ERA-S-PC-6-XX/XX-1-1/1* ^①		
Parameters	Minimum	Typical	Maximum
Wavelength (nm)	1528.77	-	1565.05
Bandwidth (nm)	-	100	-
Input Power (dBm)	-16	-12	-10
Output Power (dBm)	-	23.0	23.5
Extinction Ratio (dB)	-	20	-
Gain (dB)		-	
Gain Flatness (dB)		-	
Noise Figure (dB)	-	5.5	6
Return Loss (dB)		≤ -45	
Operating Temperature (°C)	-40	-	65
Storage Temperature (°C)	-40	-	85
Power Supply (V)	4.75	5.00	5.25
Power Consumption (W)	-	-	20
Communication Protocol		RS232	
Electrical Connector		TEM-115-02-03.0-FG-D-L1 or Customized	
Optical Connector		FC/APC or Customized	
Pigtail Length (cm)		> 50	
Dimensions (mm)		90(L)×70(W)×25(H)	

*^① ERA-S-PC-6-XX/XX-1-1/1, the first XX means output power, and the second XX means gain