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-performance devices and precise temperature control technology ensure the product excellent operating performance in a wide temperature flow 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-90*70*25-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	-
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-90*70*25-XX/XX-1-1/1, the first XX means output power, and the second XX means gain