

## PRODUCT INTRODUCTION

# Polarization Maintaining EDFA



Polarization maintaining EDFA uses 980nm pump laser to provide energy. The polarization-maintaining passive devices have high output extinction ratio. The product can work in ACC/APC/AGC mode. The use of high-performance devices and accurate temperature control technology empowers the product good working characteristics in a wide temperature range, thus the product can be widely used in the field of optical fibre sensing.

## Features

- The output power can reach 33dBm
- ACC/APC operation mode
- Low noise figure and low power consumption
- High stability and reliability
- Greater than 20dB, high extinction ratio
- Meeting the GR1312 standard
- Customizable

## Applications

- Optical fibre sensing
- Polarization-maintaining optical communication system
- Universities, research institutions
- Doppler wind detection radar

## Parameters

### Specifications

Product type	ERA-S-PC-90*70*25-XX/XX-1-1/1 *®		
Parameters	Minimum	Typical value	Maximum
Wavelength (nm)	1530	-	1565
Input power (dBm)	-16	-12	5
Output power (dBm)	-	20	33
Extinction ratio (dB)	-	20	-
Noise figure (dB)	-	5.5	6.0
Return loss (dB)		45	
Supply voltage (V)	4.75	5.00	5.25
Power consumption (W)	-	-	40
Communication interface	RS232		
Electric connector	TEM-115-02-03.0-FG-D-L1 or Customizable		
Optical interface type	FC/APC or Customizable		
Tail fibre length (cm)	>50		
Dimension (mm)	90(L)×70(W)×15(H) ; 140(L)×90(W)×15(H)		

### Other indicators

#### Environmental indicators

Items	Minimum	Maximum
Operating temperature range (°C)	-5	55
Storage temperature range (°C)	-40	85
Relative humidity (%RH)	-	85
Environmental/Reliability testing	Compliant with Telcordia GR-1312	

\*®ERA-S-PC-90\*70\*25-XX/XX-1-1/1, where XX/XX represent output power and gain respectively.