

PRODUCT INTRODUCTION

Optical Amplifier



Optical amplifier (SOA) is a specially designed amplifier for O-band, which is widely used in 10G/40G/100G transmission system. The maximum output power can reach 10dBm and the product can work in ACC/APC/AGC mode.

+ Features

- Wavelength bandwidth 1270nm~1320nm
- The maximum output power can reach 10dBm
- Support ACC/AGC/APC mode of operation
- Compliant with GR1312 standard
- Customizable

+ Applications

- 100G communication system
- Optical fibre sensing

Parameters

Specifications

Product type	SOA-S-0-130*100*15-XX/XX-1-1/1*®		
Parameters	Minimum	Typical value	Maximum
Wavelength (nm)	1270	-	1320
Input power (dBm)	-20.0	-	3.5
Saturation power (dBm)	-	7	10
Gain (dB)	14	16	20
Noise figure (dB)	-	7.5	-
Polarization dependent gain (dB)	-	-	2
Supply voltage (V)	4.75	5.00	5.25
Dimension (mm)	130(L)×100(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	

*®SOA-S-0-130*100*15-XX/XX-1-1/1, where XX/XX represent output power and gain respectively.