

SOA



■ Product Introduction

SOA module can be used to 1310/1490/1550nm Optical amplification.

SOA module has built-in drive circuit and logic control circuit to monitor the key information such as input / output optical power, amplifier temperature, module temperature and signal gain in real time. The module can work in automatic optical power control (APC) or automatic gain control (AGC) mode through upper computer configuration. All state parameters and configuration information can be flexibly adjusted and monitored by the host computer master control software.

■ Features

- Wide range of operating wavelengths
- High reliability and Good stability
- Good temperature adaptability
- Low noise figure
- Support customization

■ Applications

- 1310/1490/1550 Optical amplification
- High-speed optical communication system
- Nonlinear Studies
- Space Optical Communication System

■ Standards

- Telcordia GR-1312-CORE
- ROHS

■ Specifications

Parameter		Unit	Min	Typ.	Max.	Note
Operating Wavelength	C band	nm	1530	1550	1570	
	S band	nm	1470	1490	1510	
	O band	nm	1290	1310	1330	
Input Power		dBm	-20	-15	-	
Output Power		dBm	-	6	-	
Gain		dB	15	-	-	
Noise Figure		dB	-	-	7.5	
Output Power Stability		dB	-	± 0.1	± 0.2	
Input isolation		dB	40	-	-	
Output isolation		dB	40	-	-	
PDG		dB	-	-	1	
PMD		ps	-	-	0.5	

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