

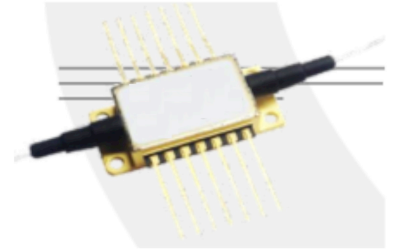


SOA-XXXX-BPシリーズ

1310 nm Semiconductor Optical Amplifier, Butterfly Package

1490 nm Semiconductor Optical Amplifier, Butterfly Package

1550 nm Semiconductor Optical Amplifier, Butterfly Package



- ASE (Amplified Spontaneous Emission) 光源ソースとして使用します。
- ファイバー間ゲインが高い半導体光増幅器です。
- シングルモード (SM) または偏波保持 (PM) ファイバー入力及び出力ポートのいずれかを一緒に注文できます。
- 14ピンバタフライパッケージでレーザー溶接された密閉型、信頼性、安定性
- パフォーマンスを確保するためのサーミスタと熱電冷却 (TEC) を備えております。

1310 nm Semiconductor Optical Amplifier, Butterfly Package

FEATURES

- 1250nm-1350nm operational wavelength
- High-fiber-to-fiber gain of 20 dB typ.
- Up to 14 dBm output
- Built in TEC
- 14 pin butterfly, hermetically sealed package
- PM Panda fiber input/output (optional)

1490 nm Semiconductor Optical Amplifier, Butterfly Package

FEATURES

- 1490nm-1530nm operational wavelength
- High-fiber-to-fiber gain of 20 dB typ.
- Up to 14 dBm output
- Built in TEC
- 14 pin butterfly, hermetically sealed package
- PM Panda fiber input/output (optional)

1550 nm Semiconductor Optical Amplifier, Butterfly Package

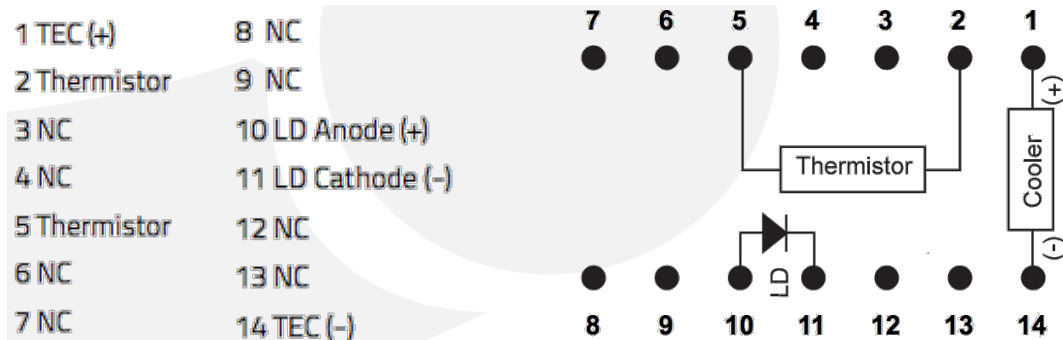
FEATURES

- 1510nm-1590nm operational wavelength
- High-fiber-to-fiber gain of 20 dB typ.
- Up to 14 dBm output
- Built in TEC
- 14 pin butterfly, hermetically sealed package
- PM Panda fiber input/output (optional)

JSE IN

- Swept Fiber Laser
- Booster and in-line amplification
- General purpose test and measurement
- Optical network
- Fiber sensing

PIN-OUT DIAGRAM



詳しい問い合わせ：有限会社アミスター
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SOA-1310-XX-BP

1310 nm Semiconductor Optical Amplifier, Butterfly Package

XX SM: Single Mode or PM: Polarization Maintaining

OPERATING SPECIFICATIONS

Operational Wavelength	1450 nm - 1530 nm
Peak Gain	19 dB min., 20 dB typ.
Gain Ripple	± 1 dB max.
Polarization Dependent Gain (PDG)	± 1 dB max.
Saturation Output Power	14 dBm typ.
Input Power	-25 ~ +5 dBm
Forward Voltage	2 V typ.
Operating Bias Current	350 mA type
Thermistor Resistance	10 k Ω typ. @ 25°C
Connectors	FC/APC, others optional

SOA-1490-XX-BP

1490 nm Semiconductor Optical Amplifier, Butterfly Package

XX SM: Single Mode or PM: Polarization Maintaining

OPERATING SPECIFICATIONS

Operational Wavelength	1250 nm - 1350 nm
Peak Gain	19 dB min., 20 dB typ.
Gain Ripple	± 1 dB max.
Polarization Dependent Gain (PDG)	± 1 dB max.
Saturation Output Power	13 dBm typ.
Input Power	-25 ~ +5 dBm
Forward Voltage	2 V typ.
Operating Bias Current	350 mA type
Thermistor Resistance	10 k Ω typ. @ 25°C
Connectors	FC/APC, others optional

SOA-1310-XX-BP

SOA-1550-XX-BP

1550 nm Semiconductor Optical Amplifier, Butterfly Package

XX SM: Single Mode or PM: Polarization Maintaining

OPERATING SPECIFICATIONS

Operational Wavelength	1510 nm - 1590 nm
Peak Gain	19 dB min., 20 dB typ.
Gain Ripple	± 1 dB max.
Polarization Dependent Gain (PDG)	± 1 dB max.
Saturation Output Power	14 dBm typ.
Input Power	-25 ~ +5 dBm
Forward Voltage	2 V typ.
Operating Bias Current	350 mA type
Thermistor Resistance	10 k Ω typ. @ 25°C
Connectors	FC/APC, others optional

ABSOLUTE MAXIMUM RATINGS

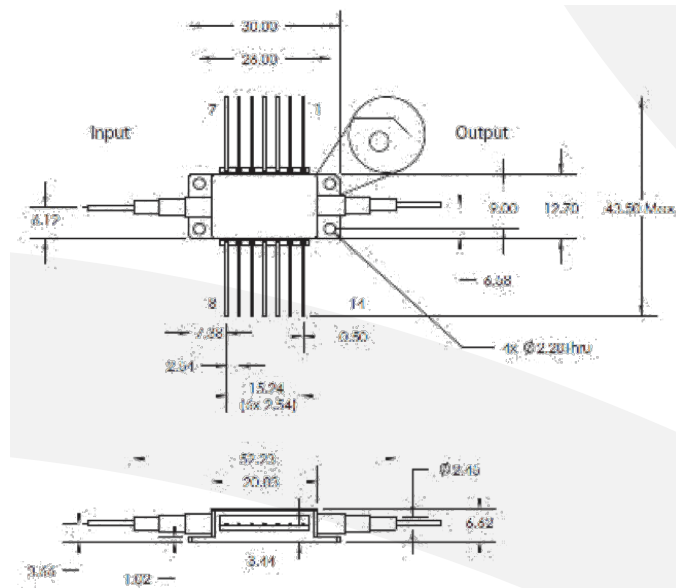
Operating Temperature (Case)	-10°C to +70°C, TQ version available
Storage Temperature	-40°C to +85°C
Operating Humidity	0% to 85% Relative Humidity
Operating Bias Current	400 mA
Optical Amplifier Reverse Bias	2 V
Thermistor Current	10kΩ NTC
TEC Current	1.8 A
TEC Voltage	3.4 V



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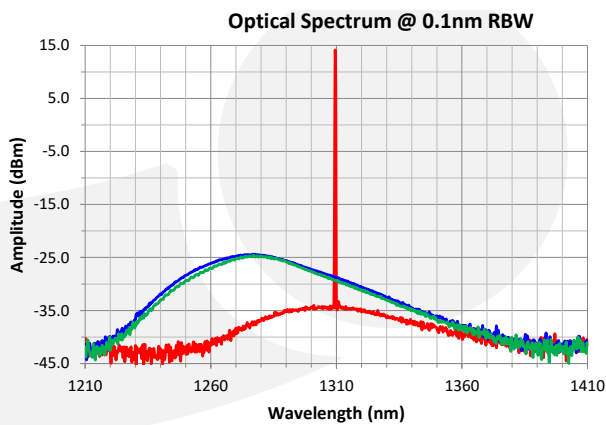


MECHANICAL DRAWING

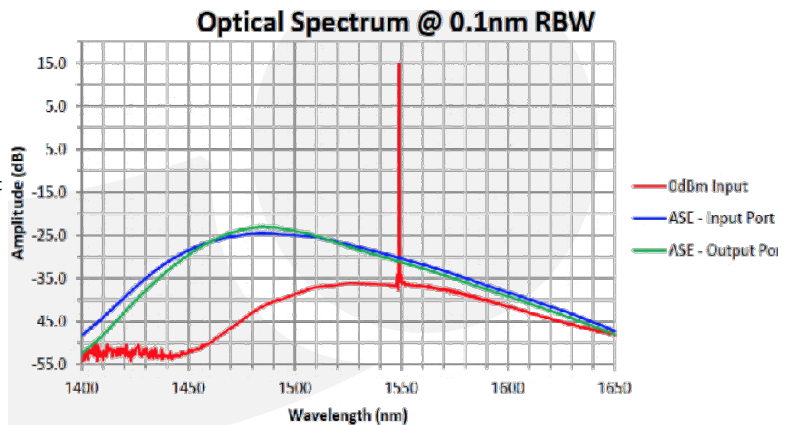


DETAILED SPECTRUM INFORMATION

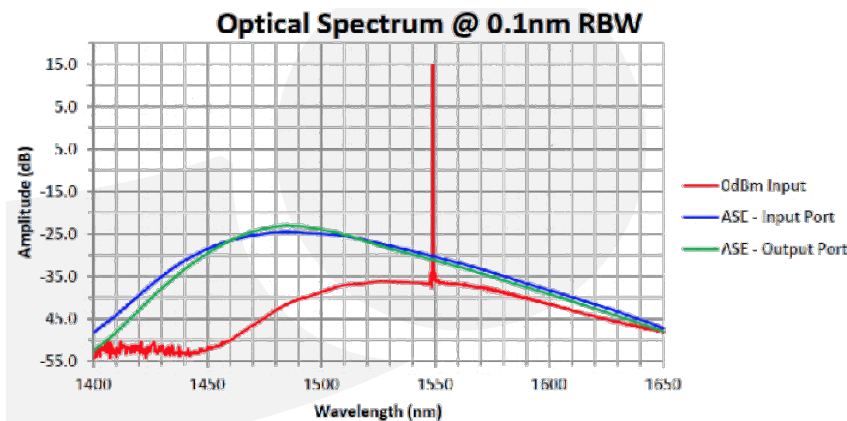
1310 nm Semiconductor Optical Amplifier, Butterfly Package



1490 nm Semiconductor Optical Amplifier, Butterfly Package



1550 nm Semiconductor Optical Amplifier, Butterfly Package

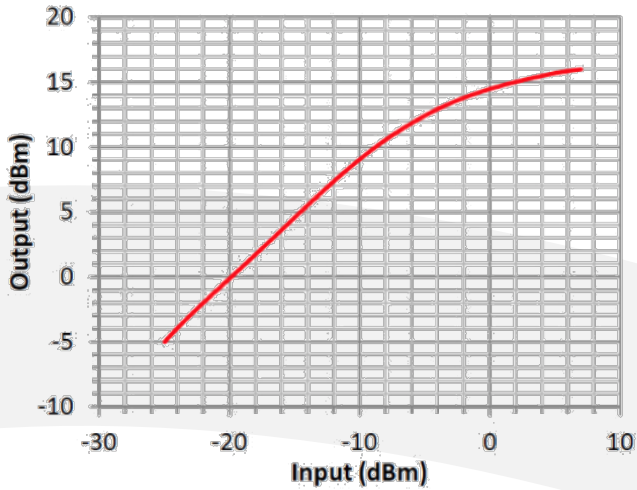


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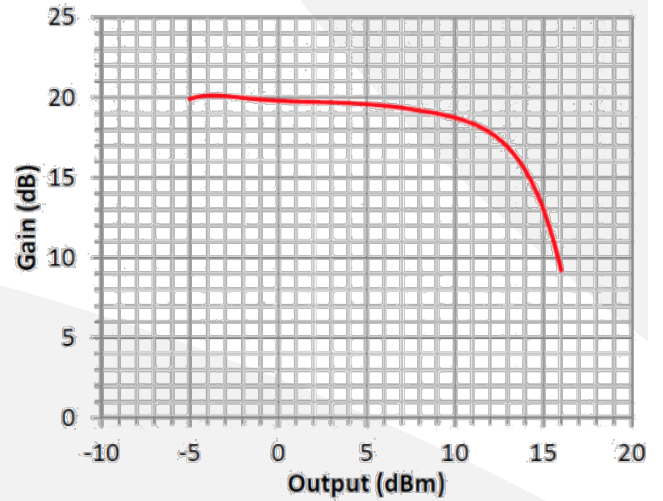
DETAILED SPECTRUM INFORMATION

1550 nm Semiconductor Optical Amplifier, Butterfly Package

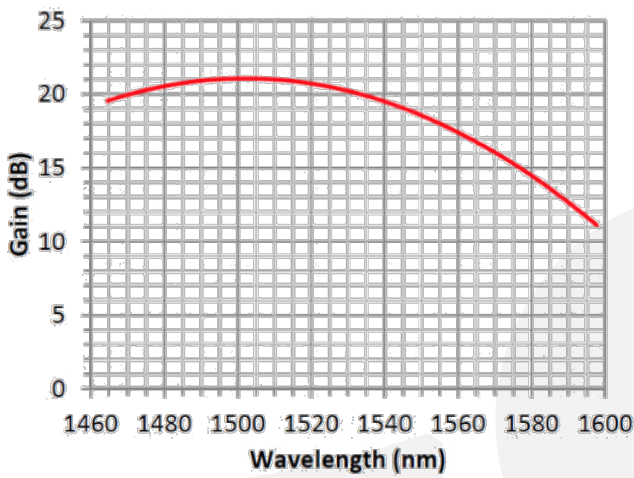
Input vs. Output



Input vs. Gain



Wavelength vs. Gain



LI Curve @ 0.0dBm Input

