



上海尖丰光电技术有限公司

S波段光纤放大器(S-band Optical Amplifier)

产品简介: Amp-82xx-sb系列光纤放大器的设计要满足S波段新一代光纤通信窗口的需要。这S波段放大器实现了宽带、高增益覆盖1460-1520nm，利用独特的氟化物玻璃光纤技术。

特点

- 宽信号带宽 (1460 ~ 1520nm)
- 输出功率高 (> 20dBm)
- 优异的噪声图
- 成本有效
- 输出功率和泵浦电流监测
- ACC / ALC 模式操作

应用

- DWDM和CWDM的发展
- 测试与测量
- 科学应用



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规格参数:

| Item | AMP-FL8221- SB-19 | AMP-FL8221- SB-16 | AMP-FL8211- SB-20 | AMP-FL8211- SB-16 | AMP-FL8211- SB-13 |
|--|--------------------------|---|--------------------------|-------------------------|-------------------------|
| Signal Wavelength | 1470~1520nm | | 1460~1500nm | | |
| Maximum Output Power | >+19dBm *1-2 (>80mW) | >+16dBm *1-2 (>40mW) | >+20dBm *1-1 (>100mW) | >+16dBm *1-1 (>40mW) | >+13dBm *1-1 (>20mW) |
| Gain | >30dB *2-2 | >25dB *2-2 | >25dB *2-1 | >20dB *2-1 | >15dB *2-1 |
| Noise Figure | <7dB *2-2 | <7dB *2-2 | <7dB *2-1 | <7dB *2-1 | <7dB *2-1 |
| Amplifier control | ACC / ALC | | | | |
| Monitor items | Output power, LD current | Input power, Output power, LD current, LD temperature, Case temperature | | | |
| Safety function | - | Remote shutdown interlock | | | |
| Loss of Input Power Alarm & Interlock *3 | < -10 dBm | | | | |
| Remote control Interface | - | RS232C / IEEE488.2(GP-IB) | | | |
| Input & Output Fibers | SMF | | | | |
| Optical Connectors | FC/PC | | | | |
| Operation Temperature | 0~40 °C | | | | |
| Storage Temperature | -10~60 °C | | | | |
| Size(mm) *4: H x W x D | 130 x 440 x 460 | 88 x 260 x 350 | | | |
| Weight | 10 Kg | 7 Kg | | 6 Kg | |
| Power consumption | <60W | <30W | | | |
| Power Supply | AC 100~240V (50/60Hz) | | | | |



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*1-1 Input

Power: >0dBm@1480nm

*3 The desired value (threshold) can be set

*1-2 Input

Power: >0dBm@1490nm

*4 Not Including Protrusions

*2-1 Input

Power: >-30dBm@1480nm

*2-2 Input

Power: >-30dBm@1490nm

The specifications are subject to change.

All functions, characteristics and exterior design can be optimized according to customer requirements, and please feel free to contact FiberLabs sales engineers.

AOE TECH CO., LIMITED.