

CEFA-C-HG SERIES

CW ERBIUM FIBER AMPLIFIER C-BAND HIGH GAIN

FEATURES

- High sensitivity with very low input power (-50dBm)
- High small signal gain up to 50dB
- Near quantum-limited noise figure
- Polarization-maintaining available
- Choice of turnkey benchtop or module

APPLICATIONS



High sensitivity optical preamplification
Quantum cryptography / Optical metrology
Optical remote sensing /
Test and measurement

1.5 μ m

Description

The **CEFA-C-HG** series Erbium doped fiber amplifiers are designed to amplify very weak optical signals.

Amplified spontaneous emission is limited in profit to the output signal-to-noise ratio. A near quantum limited noise figure and a small-signal gain greater than 50 dB are achieved at low input power (-50 dBm).

Polarization-maintaining models are available with very good polarization extinction ratio.

These amplifiers are proposed in turnkey benchtop instruments or in modules.

2 Platforms

B 201



M 201

