C-Band DWDM

G110

Linear Optical Amplifier

The G110 linear optical amplifier is designed to be used in applications where “unity-gain” segments or “lossless” modules are desired for maximizing network flexibility. Furthermore, this device can be used in transmit boost systems where additional power is needed.

Features

- Linear
  - Accommodates any data rate without crosstalk
  - Handles multiple wavelengths without crosstalk
  - Operates in switched networks without gain transients
- Operates up to and beyond 40Gbps
- Small size
- 10 dB gain

Applications

- Transmitter boost
- Loss-compensation
- Unity-gain segments

C-Band DWDM

G212

Linear Optical Amplifier

The G212 linear optical amplifier is designed to be used in applications where high gain is needed. This product has the additional feature of 10 dB variable gain.

Features

- Linear
  - Accommodates any data rate without crosstalk
  - Handles multiple wavelengths without crosstalk
  - Operates in switched networks without gain transients
- Operates up to and beyond 40Gbps
- Small size
- 15-25 dB gain with variable gain control

Applications

- Receiver pre-amp
- In-line amplification

Operating Characteristics

Parameter	G110	G212	Unit
Operating wavelengths	1530-1562	1530-1562	nm
Gain	10	15-25	dB
Gain flatness	1	2	dB
Noise figure	8	8	dB
Polarization dependent gain	1	1	dB
Linear operating output power	10	10	dBm
P_{3db} saturation output power	13	13	dBm

Preliminary

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