LUXA

EDFA Series Erbium-Doped Fiber Amplifiers

Optical Amplifiers

Erbium-doped fiber provides optical gain in fiber transmission and sensing systems. Select the amplifier configuration for the available input signal level and required output.



Technical specifications

EDFA-B

Operating wavelength range (nm)	1525 min. / 1565 max.
Input signal power range (dBm)	-10 min.
Small-signal gain (dB)	30 typ. / 35 max.
Input optical isolation (dB)	30 min.
Output optical isolation (dB)	30 min.
Polarization-dependent gain (dB)	0.3 typ. / 0.5 max.
Polarization mode dispersion (ps)	0.3 max.
Input pump leakage (dBm)	-30 max.

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Optical Amplifiers

Erbium-doped fiber provides optical gain in fiber transmission and sensing systems. Select the amplifier configuration for the available input signal level and required output.



Technical specifications

EDFA-HP

Operating wavelength range (nm)	1525 min. / 1565 max.
Input signal power range (dBm)	-5 min. / 10 max.
Saturated optical output power (dBm)	37 max.
Noise figure @ input 0 dBm (dB)	5.5 typ. / 6.0 max.
Input optical isolation (dB)	30 min.
Output optical isolation (dB)	30 min.
Input return loss (dB)	40 min.
Output return loss (dB)	40 min.

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Optical Amplifiers

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Technical specifications

EDFA-P

Operating wavelength range (nm)	1525 min. / 1565 max.
Input signal power range (dBm)	-45 min.
Small-signal gain (dB)	30 typ. / 35 max.
Input optical isolation (dB)	30 min.
Output optical isolation (dB)	30 min.
Polarization-dependent gain (dB)	0.3 typ. / 0.5 max.
Polarization mode dispersion (ps)	0.3 max.
Input pump leakage (dBm)	-30 max.