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1-output EDFA optical amplifier, 1RU rack 19" 1550 nm, Po 20 dBm

This device consists of an amplifier and a double power supply. It amplifies a 1550nm optical signal with an output power of 20 dBm in an optical output, suitable for video distribution in medium size splitting optical networks. Based on EDFA (Erbium doped fiber) technology, it provides a high gain, a higher optical power and a low noise factor.

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Highlights

- High-optical output power amplifier
- Application to distribute RF Overlay in optical networks
- -10 dBm to +10 dBm input range
- Status LED indicators
- High-efficiency power supply
- Hot swappable double power supply: subscriber service is not interrupted

Main features

- 1RU for rack 19"
- Extended range (99-253 VAC) power supply
- Suitable for medium/large size optical networks
- SC/APC optical connectors

Technical specifications

Number of input optical ports RF Overlay		1
Number of output optical ports		1
Wavelength (@RF Overlay)	nm	1540 ... 1560
Optical input power RF Overlay Min	dBm	-10
Optical input power RF Overlay Max	dBm	10
Optical output power RF Overlay	dBm	20
Noise figure Max	dB	5.5
Optical return losses	dB	-40
C/N	dB	51
CSO Max	dB	-65
CTB Max	dB	-65
Optical connectors		SC/APC
Protection index (IP)		20
Operating temperature	°C	-5 ... 45
Mains frequency		50 Hz / 60 Hz
PSU input voltage	Vac	110 ... 230
Max PSU current input	mA	110
PSU input power Max	W	5.5

* Measurements made with: external modulator transmitter, 40km fiber, optical input power to the receiver of -0.6dBm