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8-output YEDFA 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 8 optical outputs, suitable for video distribution in large size splitting optical networks. Based on YEDFA (Erbium doped fiber) technology, it provides a high gain, a higher optical power and a low noise factor.

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Art.Nr

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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		8
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	°F	23 ... 113
Mains frequency		50 Hz / 60 Hz
PSU input voltage	Vac	110 ... 230
Max PSU current input	mA	350
PSU input power Max	W	20.5

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