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32-output YEDFA optical amplifier with WDM, 1RU rack 19" 1550 nm, Po 20dBm

This device consists of an amplifier, a WDM, and a double power supply. It amplifies the 1550 nm optical signal producing an optical output power of 20 dBm. Based on YEDFA (Erbium and ytterbium doped fiber) technology, it provides a high gain, a higher optical power and a low noise factor.

Equipped with WDM, it includes 32 x 1310 nm/1490 nm-inputs that multiplex the amplified 1550 nm-signal, providing 32 x 1310 nm/1490 nm/1550 nm-outputs, making it suitable for video overlay distribution in large size splitting GPON optical networks.

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Art.Nr

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Highlights

- High-optical output power amplifier
- Equipped with WDM for the multiplexing of RF Overlay with GPON signals
- -10 dBm to +10 dBm input range
- Status LED indicators
- High-efficiency power supply
- Hot-swappable double power supply: subscriber service is not interrupted
- -48 VDC per module

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 optical ports DATA (GPON)		32
Number of output optical ports		32
Wavelength (@RF Overlay)	nm	1548 ... 1565
GPON Wavelength (@Upstream)	nm	1310
GPON Wavelength (@Downstream)	nm	1490
Optical input power RF Overlay Min	dBm	-5
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
GPON Insertion losses Max	dB	1
Flatness	dB	0.5
Optical connectors		SC/APC
Protection index		20
Operating temperature	°F	23 ... 113
Mains frequency		50 Hz / 60 Hz
PSU input voltage	Vac	110 ... 230
Max PSU current input	mA	600
PSU input power Max	W	55