



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.

Ref.	769611
Logical ref.	OLTWDMA32
EAN13	8424450187197

Packing

Box	1 pcs.
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Physical data

Net weight	16,500.00 g
Gross weight	16,500.00 g
Width	483.00 mm
Height	89.00 mm
Depth	450.00 mm
Main product weight	8,772.00 g

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 : Ref. 769611

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	°C		-5 ... 45
Mains frequency			50 Hz / 60 Hz
PSU input voltage	Vac		110 ... 230
Max PSU current input	mA		600
PSU input power Max	W		55