



1-output YEDFA optical amplifier with WDM 1550 nm, Po 19dBm

The module amplifies the 1550 nm optical signal, producing an optical output power of 19dBm. Equipped with WDM, it has one 1310 nm/1490 nm-input that multiplex the amplified 1550 nm-signal, providing one 1310 nm/1490 nm/1550 nm-output to be used in a GPON headend. Based on YEDFA (Erbium and ytterbium doped fiber) technology, it provides a high gain, a higher optical power, and a low noise factor.

Ref.	234221
Logical ref.	UOVS1191550
EAN13	8424450187302

Packaging info

Box	1 pcs.
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Physical data

Net weight	1,900.00 g
Gross volume	5.30 dm ³
Gross weight	1,900.00 g
Width	483.00 mm
Height	43.00 mm
Depth	395.00 mm

Highlights

- Equipped with WDM for the multiplexing of RF Overlay with GPON signals
- -10 dBm to +10 dBm input range

- Status LED indicators
- Optical amplification for the RF service over fiber (RF Overlay) on GPON networks
- Suitable for long distances
- SC/APC connectors

Technical specifications : Ref. 234221

Number of input optical ports RF Overlay		1
Number of optical ports DATA (GPON)		1
Number of output optical ports		1
Wavelength (@RF Overlay)	nm	1530 ... 1565
Upstream Wavelength (@Upstream)	nm	1310
GPON Wavelength (@Downstream)	nm	1490
Optical input power RF Overlay	dBm	-10 ... 10
Optical output power RF Overlay	dBm	19
Noise figure	dB	< 5
Optical return losses	dB	> 40
GPON Insertion losses	dB	< 1
C/N	dB	> 51
CSO	dB	> 65
CTB	dB	> 65
Optical connectors		SC/APC
Protection index (IP)		20
Operating temperature	°F	23 ... 113
Input voltage	Vdc	24
Max. current	mA	250
Max. power	W	6