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8-output YEDFA optical amplifier with WDM 1550 nm, Po 20 dBm

The module amplifies the 1550 nm optical signal, producing an optical output power of 20 dBm. Equipped with WDM, it provides 8 1310 nm/1490 nm-inputs that multiplex the amplified 1550 nm-signal, providing 8 1310 nm/1490 nm/1550 nm-outputs 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.

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Highlights

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

Main features

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

Technical specifications

OPTICAL Video Overlay INPUT	Input optical power range	dBm	-10...+10
	Input connector	tipo	1x SC / APC
	Operating wavelenght	nm	1548...1565
OPTICAL GPON INPUT	Insertion loss(1310nm & 1490 nm)	dB	<1
	Input connector	tipo	8 x SC/APC
	Operating GPON wavelenght	nm	1310±20 - 1490±20
OPTICAL OUTPUT	Output optical power per port (1550nm)	dBm	20 ± 0,5
	Output connector	tipo	8 x SC/APC
	Noise figure	dB	Tip. 5 (Pin=0 dBm 1550nm). Máx 7.
	Optical return losses	dB	≥ 40
GENERAL	Powering	Vdc	24
	Máx. Consumption @ 24 Vdc	mA	700
	Ingress protection level	IP	20