

OAEX OPTICAL AMPLIFIER FOR CATV OVER XGS-PON



- Designed for CATV overlay purposes on XGS-PON systems
- Independent local electronic configuration interface
- Remote management
- Powering redundancy

GENERAL DESCRIPTION

The OAEX optical amplifier is designed for adding RF overlay signals to XGS-PON networks. Thanks to the redundancy capabilities of the powering excellent robustness is available. This is completed by the remote management done via either SNMP or Web based interfaces in order to set and check the most important working parameters, such as input and output optical powers, powering and cooling status, pump laser currents or temperatures. The device is powered by -48 V DC based on the proven telecom standard for high availability in CATV networks.

TECHNICAL SPECIFICATIONS

Optical parameters

Wavelength (CATV input) [nm]	1540...1560
Input optical power [dBm]	-5...+10
Output optical power (per output) [dBm]	20
Output power adjustment range [dB]	-6...0
Noise figure [dB]	6.0 ⁽¹⁾
CATV-to-OLT isolation [dB]	40
OLT pass wavelength loss [dB]	1.2
Optical connector	SC/APC, LC/APC, EURO2000

Interface parameters

SNMP interface	RJ-45, SNMPv1
Service port	RS232, RJ-45

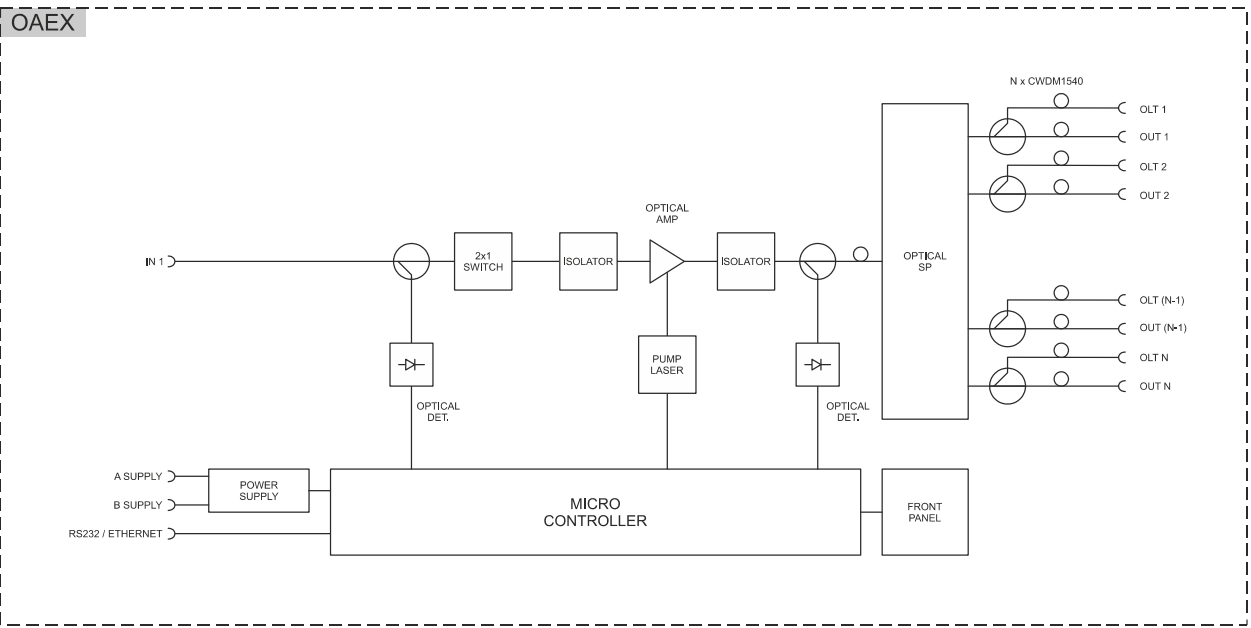
General parameters

Input power supply voltage [V]	30...72 DC
Power consumption [W]	84
Operational temperature range [°C]	-10...+55
Dimensions [mm]	483x200x44

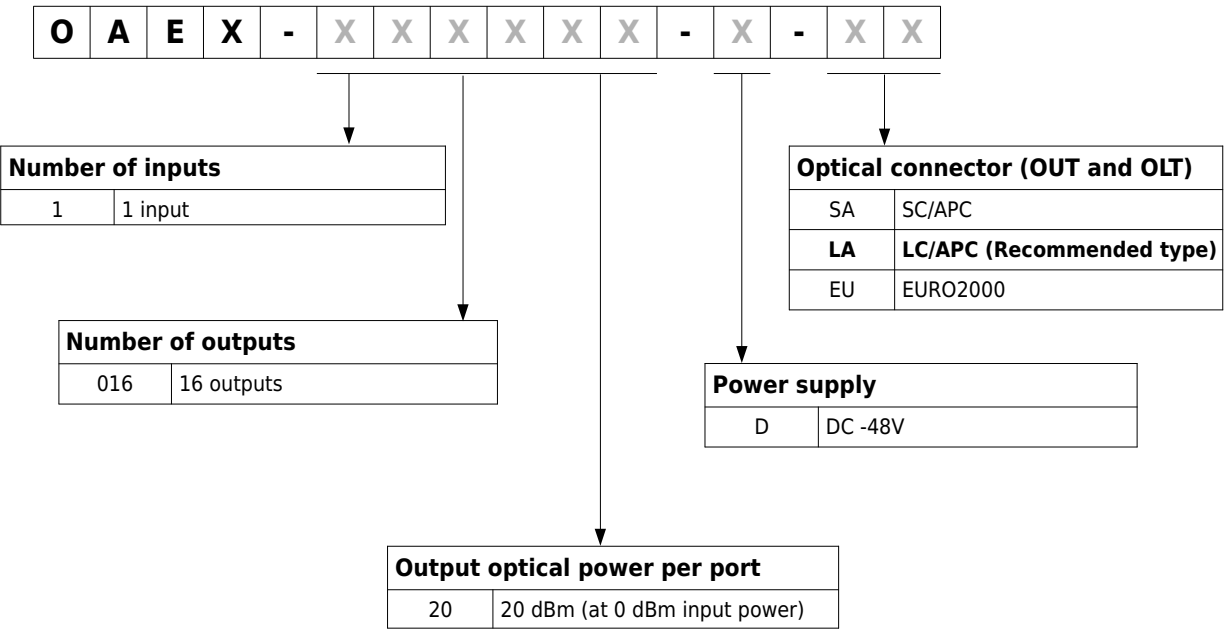
(1) At maximal gain and output power

Specifications are subject to change without notice!

BLOCK DIAGRAM



ORDERING INFORMATION



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