

OAE OPTICAL AMPLIFIER FOR SINGLE ITU CHANNEL

- Designed for 1 optical channel in the C-band
- Independent local electronic configuration interface
- Remote management
- Powering redundancy
- Optimized for FTTx networks

TECHNICAL SPECIFICATIONS**Optical parameters**

Wavelength [nm]	1528...1564
Input optical power [dBm]	-10...+6
Total output optical power [dBm]	10...25
Noise figure [dB]	5.0 ⁽¹⁾
Polarization dependent loss [dB]	0.3
Polarization dependent gain [dB]	0.3
Polarization mode dispersion [ps]	0.3
Output-to-input isolation [dB]	>30
Pump power leakage [dBm]	<-30
Optical connector	SC/APC, LC/APC, EURO2000

Interface parameters

SNMP interface	100BaseT Ethernet, RJ-45, SNMPv1
Service port	RS232, RJ-45
Powering input connector	IEC320-C14

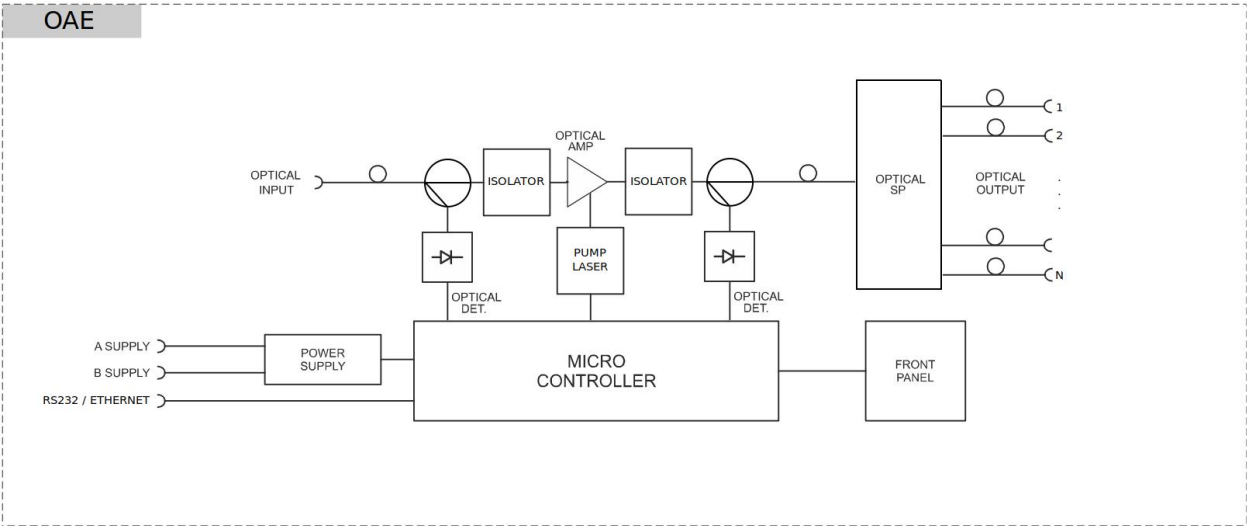
General parameters

Input power supply voltage [V]	90...265 AC or 30...72 DC
Power consumption [W]	30
Operational temperature range [°C]	-10...+70
Dimensions [mm]	483x205x44

(1) At maximal gain and output power

Specifications are subject to change without notice!

Block Diagram



Ordering Information

O	A	E	-	X	X	X	X	X	-	X	X
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Number of outputs	
01	1 outputs
04	4 outputs

Optical connector	
SA	SC/APC (Recommended type)
LA	LC/APC
EU	EURO2000

Maximal total output optical power	
10	10 dBm (at 0 dBm input power)
13	13 dBm (at 0 dBm input power)
17	17 dBm (at 0 dBm input power)
18	18 dBm (at 0 dBm input power)
19	19 dBm (at 0 dBm input power)
20	20 dBm (at 0 dBm input power)
23	23 dBm (at 0 dBm input power)
24	24 dBm (at 0 dBm input power)
25	25 dBm (at 0 dBm input power)

Power supply	
A	AC 230V
D	DC -48V

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