

OAEM OPTICAL AMPLIFIER FOR MULTIPLE ITU CHANNELS



- Designed for 1...8 optical channel in the C-band
- Independent local electronic configuration interface
- Remote management
- Powering redundancy
- Optimized for large and medium-sized networks

TECHNICAL SPECIFICATIONS

Optical parameters

Wavelength [nm]	1540...1563
Input optical power [dBm]	-10...+10
Total output optical power [dBm]	33...41
Noise figure [dB]	5.0 ⁽¹⁾
Polarization dependent loss [dB]	0.3
Polarization dependent gain [dB]	0.4
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

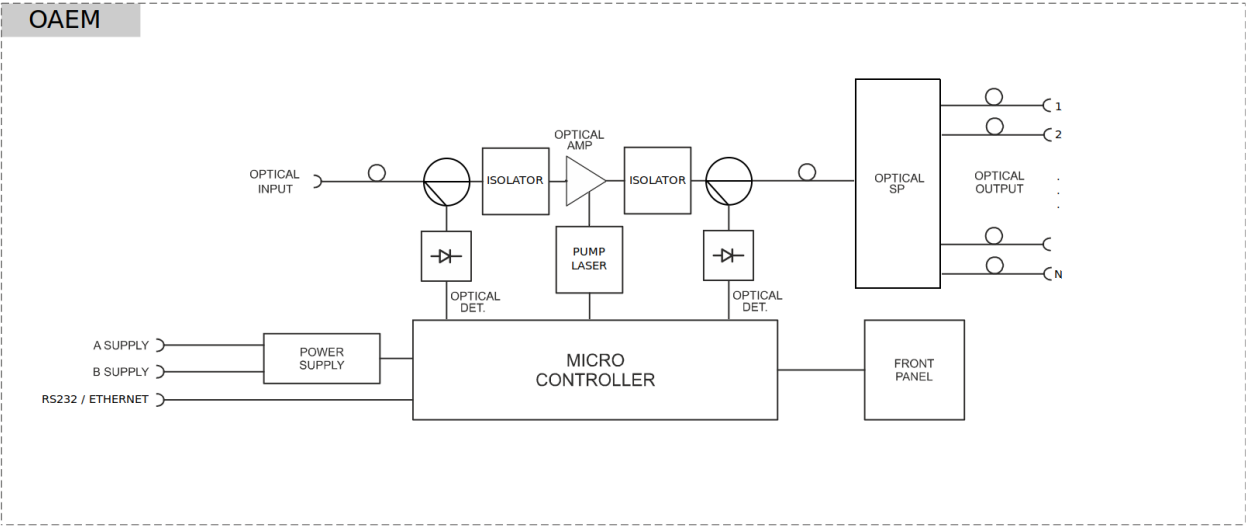
General parameters

Input power supply voltage [V]	90...265 AC or 30...72 DC
Power consumption [W]	50
Operational temperature range [°C]	-5...+65
Dimensions [mm]	483x373x89

(1) At maximal gain and output power

Specifications are subject to change without notice!

BLOCK DIAGRAM



ORDERING INFORMATION

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Number of outputs <table><tr><td>008</td><td>8 outputs</td></tr><tr><td>016</td><td>16 outputs</td></tr><tr><td>032</td><td>32 outputs</td></tr><tr><td>064</td><td>64 outputs</td></tr></table> Optical connector <table><tr><td>SA</td><td>SC/APC (Recommended type)</td></tr><tr><td>LA</td><td>LC/APC</td></tr><tr><td>EU</td><td>EURO2000</td></tr></table> Maximal total output optical power <table><tr><td>26</td><td>26 dBm (at 0 dBm input power)</td></tr><tr><td>33</td><td>33 dBm (at 0 dBm input power)</td></tr><tr><td>34</td><td>34 dBm (at 0 dBm input power)</td></tr><tr><td>35</td><td>35 dBm (at 0 dBm input power)</td></tr><tr><td>36</td><td>36 dBm (at 0 dBm input power)</td></tr><tr><td>37</td><td>37 dBm (at 0 dBm input power)</td></tr><tr><td>38</td><td>38 dBm (at 0 dBm input power)</td></tr><tr><td>39</td><td>39 dBm (at 0 dBm input power)</td></tr><tr><td>40</td><td>40 dBm (at 0 dBm input power)</td></tr><tr><td>41</td><td>41 dBm (at 0 dBm input power)</td></tr></table> Power supply <table><tr><td>A</td><td>AC 230V</td></tr><tr><td>D</td><td>DC -48V</td></tr></table>														008	8 outputs	016	16 outputs	032	32 outputs	064	64 outputs	SA	SC/APC (Recommended type)	LA	LC/APC	EU	EURO2000	26	26 dBm (at 0 dBm input power)	33	33 dBm (at 0 dBm input power)	34	34 dBm (at 0 dBm input power)	35	35 dBm (at 0 dBm input power)	36	36 dBm (at 0 dBm input power)	37	37 dBm (at 0 dBm input power)	38	38 dBm (at 0 dBm input power)	39	39 dBm (at 0 dBm input power)	40	40 dBm (at 0 dBm input power)	41	41 dBm (at 0 dBm input power)	A	AC 230V	D	DC -48V
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