

### TRANSPORT CUBE

### DWDM Optical Amplifier Unit

C-2486\_Rev.A

#### Product Description

- EDFA Pre-Amplifier unit for 19" rack type installation (1HU).
- Output Power from +17dBm to +23dBm.
- Gain flattening filter for C-band DWDM applications.
- The system supports any transceiver, which complies with the DWDM ITU G.694.1 standard.
- Common line interface (CLI) for configuration and monitoring.
- WebGUI Management (via IP address).
- Supports SNMP
- Redundant power supplies. In service replaceable.

- Product Description: DWDM Optical Amplifier Unit
- Product Code: C-2486
- Operation Mode: -X (choose from table)
- Booster Output Power:-YY (choose from table)
- Electrical Power: -Z (choose from table)
- Revision Level: -Rev.A

(X) Operation Mode	Code
APC (Automatic Power Control)	P
AGC (Automatic Gain Control)	G

(YY) Booster Output Power [dBm]	Code
17	17
20	20
22	22
23	23

(Z) Electrical Power	Code
100 to 240 VAC	A
-48 VDC	D

Example Order Code: **C-2486-G-17-A-Rev.A** for a DWDM Booster with AGC (average gain control), 17dBm output power and AC power supplies.



#### Revision History

No	Description	Date	Created by
A	Initial release	08.08.11	Carsten Marheine

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#### General Specifications

Operating Temperature	0°C to +50°C
Storage Temperature	-40°C to +80°C
Relative Humidity	10% to 95%
Fiber Type	SMF-28 compatible    Ø 9 / 125 / 250µm
Optical Adapters	SC/UPC
Electrical Power	Depending on order code (100 to 240 VAC or -48 VDC)
Electrical Power Consumption	Depending on optical output power
Interfaces	RS232 and RJ45/UTP

#### Optical Performance

Operating Wavelength Range	1528 to 1563 nm
Saturated Output Power	Defined by order code (from 17 dBm to 23 dBm)
Small Signal Gain	25 dB
Minimum Optical Input Power	-25 dB
Noise Figure	< 5.5 dB
Gain Flatness	1 dB
Channel Gain Variation	-0.5 ... +0.5 dB
Return Loss	< -40 dB

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**C-2486\_Rev.A**

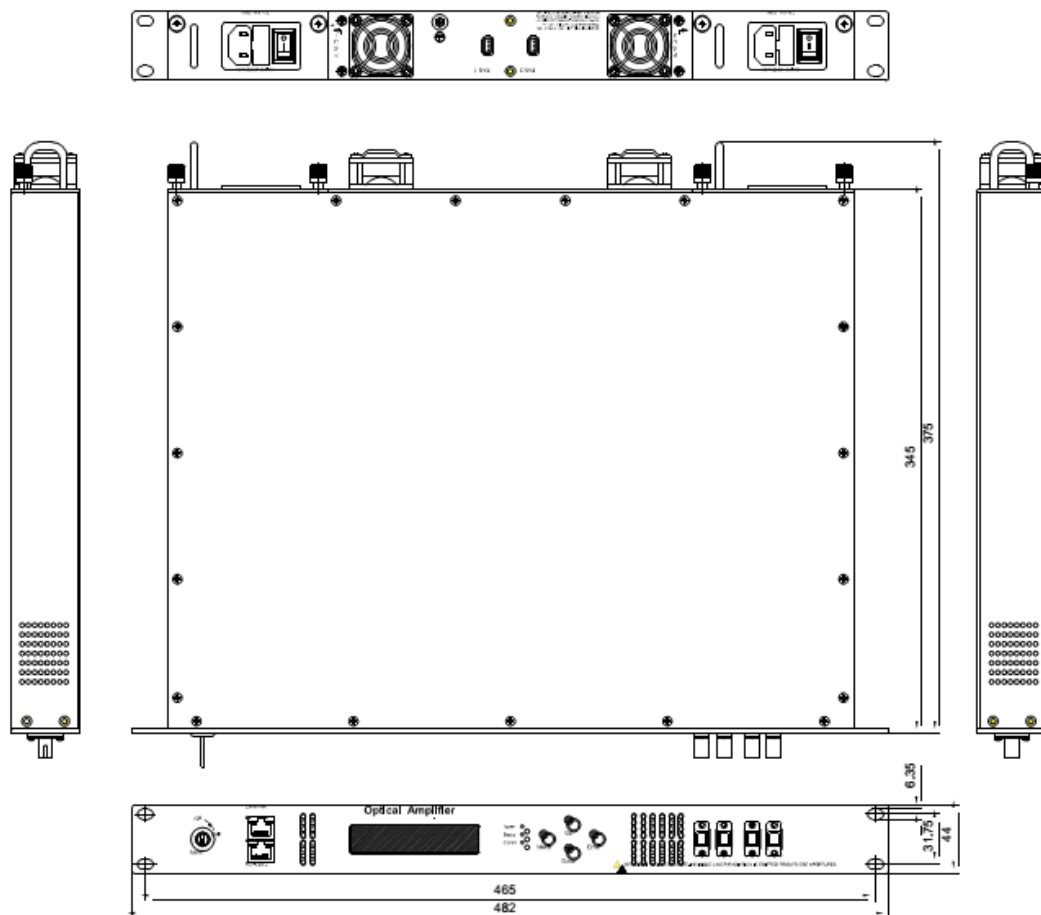
#### Package Dimensions

##### Layout and dimensions

- Width: 483 mm (19")
- Height: 43.5 mm (1.732") / 1HU
- Depth: 375 mm (14,7")

##### Cabinet/rack specification

- IEC 60927-2. D600 (cabinet depth 600mm)



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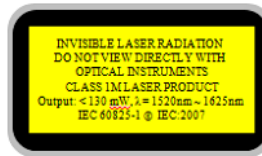
**C-2486\_Rev.A**

#### Laser Safety Information

IEC 60825 Class 1M laser product

All versions are Class 1M laser products per IEC 60825-1:2007

Note: Use of controls, adjustment and procedures other than those specified may result in hazardous laser radiation exposure.  
Please read technical manual before installing the amplifier unit.



HUBER+SUHNER Cube Optics AG  
is certified according to ISO 9001.

#### WAIVER

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

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