TRANSPORT Cubes

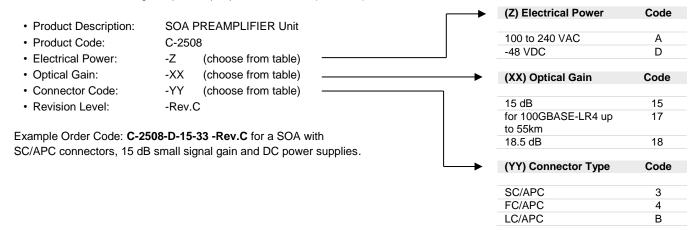
HUBER+SUHNER Cube Optics

TRANSPORT CUBE SOA PREAMPLIFIER Unit

C-2508 Rev.C

Product Description

- Semiconductor Amplifier (SOA) unit for 19" rack type installation (1HU).
- For 40G/100G BASE applications at 1310 nm.
- To be placed before the receiver of the 40G / 100G transceiver.
- Extends the reach of 40G BASE / 100G BASE-LR optical transceivers.
- Two hot pluggable redundant power supplies.
- Remote accessible via Fast Ethernet (RJ-45 port).
- Manageable via web interface (local craft terminal).
- SOA current can be varied to adjust the optical gain.
- · Alarms sent via Fast Ethernet interface.
- Class 1M laser as long as optical input power < 11 dBm (12.5 mW)





Revision History

No	Description	Date	Created by
Α	Initial release	29.11.11	Carsten Marheine
В	Changing of unit height to 1HU	20.12.11	Carsten Marheine
С	Option for optical gain	28.03.13	Carsten Marheine
C.1	Changing Depth from Cassis 230 mm to 290mm	02.12.16	RJ

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C-2508_Rev.C

General Specifications

Operating Temperature	+0°C to +50°C
Storage Temperature	-40°C to +85°C
Fiber Type	SMF-28 compatible
Optical Adapters	To be selected by customer via order code
Electrical Power	Depending on order code (100 to 240 VAC or -48 VDC)
Power Consumption	<40 W (typical < 30 W)
Laser Class	Class 1M laser if optical input power less than 11 dBm (12.5 mW)

Optical Performance

Operating Wavelength	1290 nm to 1330 nm
Signal Gain (Peak) ¹	Depending on order code
Saturated Output Power	> 8 dBm (@ 3 dB gain compression)
Noise Figure	< 7.5 dB
Gain Ripple	0.2 dB
Polarization Dependent Gain	< 1.5 dB

Package Dimensions

Layout and dimensions

• Width: 483 mm (19")

• Height: 43.5 mm (1,74") / 1HU

• Depth: 290 mm (11,42")

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.

¹ For small optical input power

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