

SFP+-Transceiver > 1310nm

CSS-900A05D0-13

Product Description

- Compliant with SFF-8431 (Electrical Interface Specification).
- Data rate from 2.0125 to 10.5 Gbps bit rates.
- Transmission distance up to 10 km.
- Built-in Digital Diagnostic Functions as specified in the SFF-8472 MSA
- RoHS 6/6 compliant
- Laser class 1 IEC-60825 compliant
- Case operation temperature range: 0°C to 70°C
- Applications:
 - 10GBASE-LR/LW 10G Ethernet
 - 1200-SM-LL-L 10G Fiber Channel
 - 8/4/2G Fiber Channel
- Compatible versions for different switch types available

- Product Description: 1310 nm SFP+ Transceiver
- Product Code: CSS-900A05D0-13

Order Code: CSS-900A05D0-11 for a 1310 nm SFP+.

Revision History

No.	Description	Date	Created by
A	Initial release	08.11.12	Carsten Marheine

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Fiber Type	SMF-28 compatible	Ø 9 / 125 / 250µm
Storage Temperature	-40°C to +85°C	
Optical Adapters	LC/PC duplex	

Absolute Maximum Ratings

Supply Voltage	-0.5 V to 3.6 V
Relative Humidity	0 to 95%

Operating Conditions

Operating Case Temperature	0°C to 70°C
Supply Voltage	3.135 V to 3.465 V (typ. 3.3 V)
Supply Current	< 245 mA

Transmitter Specifications

Operating Wavelength	Between 1290 and 1330 nm (typical 1310 nm)
Side Mode Suppression ratio	> 30 dB
Average Optical Power (informative)	-8.2 ... +0.5 dBm
Optical Modulation Amplitude	> -5.2 dBm
Extinction Ratio	> 3.5 dBm

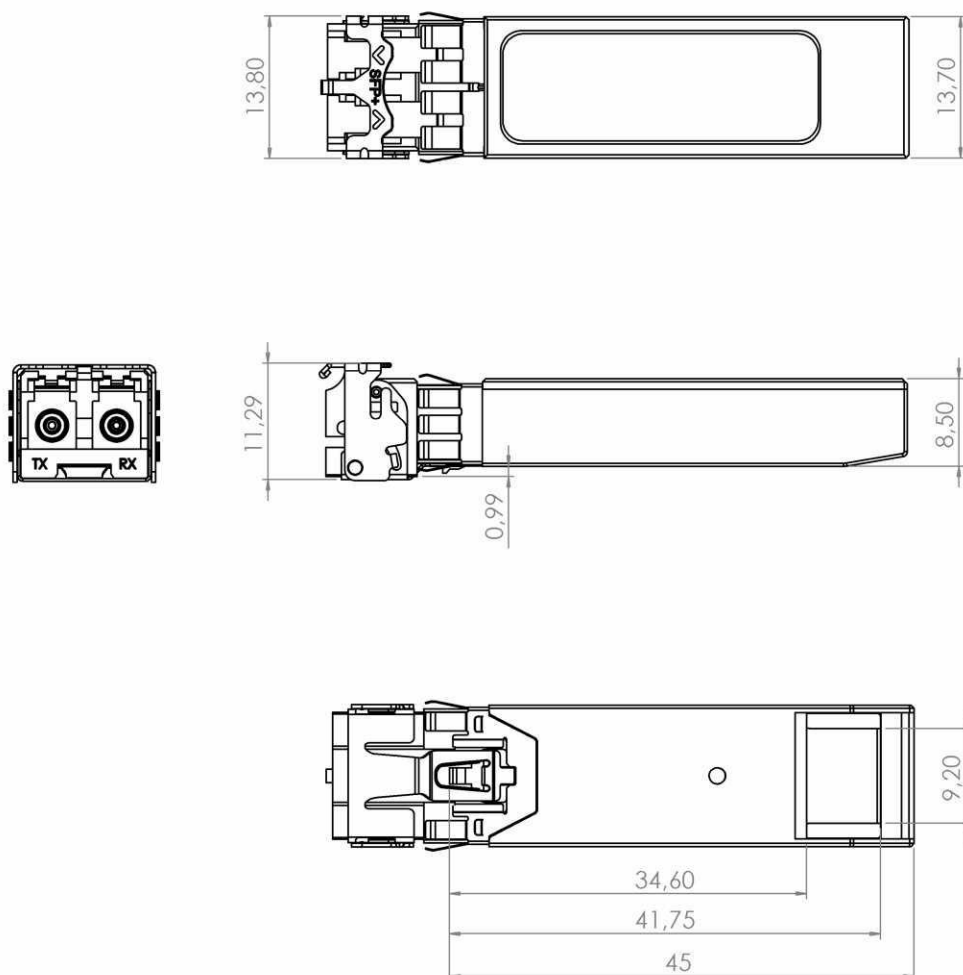
Receiver Specifications

Input Operating Wavelength	1260nm to 1620nm
Receiver Sensitivity (OMA, @ 10.3 Gbps)	<-12.6 dBm
Maximum Input Power	0.5 dBm
Loss of Signal (OMA)	< -13.2 dBm
Data Rate	2 Gbps to 10.5 Gbps

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Package Outline



(All dimensions are shown in millimeters.)

Corporate Office:

Cube Optics AG
Robert-Koch-Strasse 30
55129 Mainz
Germany

Fon: +49-6131-69851-0
Fax: +49-6131-69851-79
e.mail: sales@cubeoptics.com

www.cubeoptics.com