

SFP+-Transceiver > 850nm

CSM-900A05D0-85

Product Description

- Compliant with SFF-8431 (Electrical Interface Specification).
- Data rate from 1.25 to 11.3 Gbps bit rates.
- Transmission distance up to 300 m (over OM3 fiber).
- 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-SR/SW 10G Ethernet
 - 1200-SM-LL-L 10G Fiber Channel
 - 8/4/2G Fiber Channel
 - 1000BASE-SX 1G Ethernet
- Compatible versions for different switch types available
- Product Description: 850 nm SFP+ Transceiver
- Product Code: CSM-900A06D0-85

Example Order Code: CSM-900A06D0-85 for an 850 nm SFP+.

Revision History

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

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Fiber Type	Multimode	Ø 50 / 125 / 250 µm or 62.5 / 125 / 250 µm
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 840 and 860 nm (typical 850 nm)
Average Optical Power (informative)	-7.3 ... -1 dBm
Optical Modulation Amplitude	> -4.3 dBm
Extinction Ratio	> 3.5 dB

Receiver Specifications

Input Operating Wavelength	840nm to 860nm
Receiver Sensitivity (OMA, @ 10.3 Gbps)	< -11.1 dBm
Maximum Optical Input Power	0.5 dBm
Loss of Signal (OMA)	< -12 dBm
Data Rate	1 Gbps to 10.5 Gbps

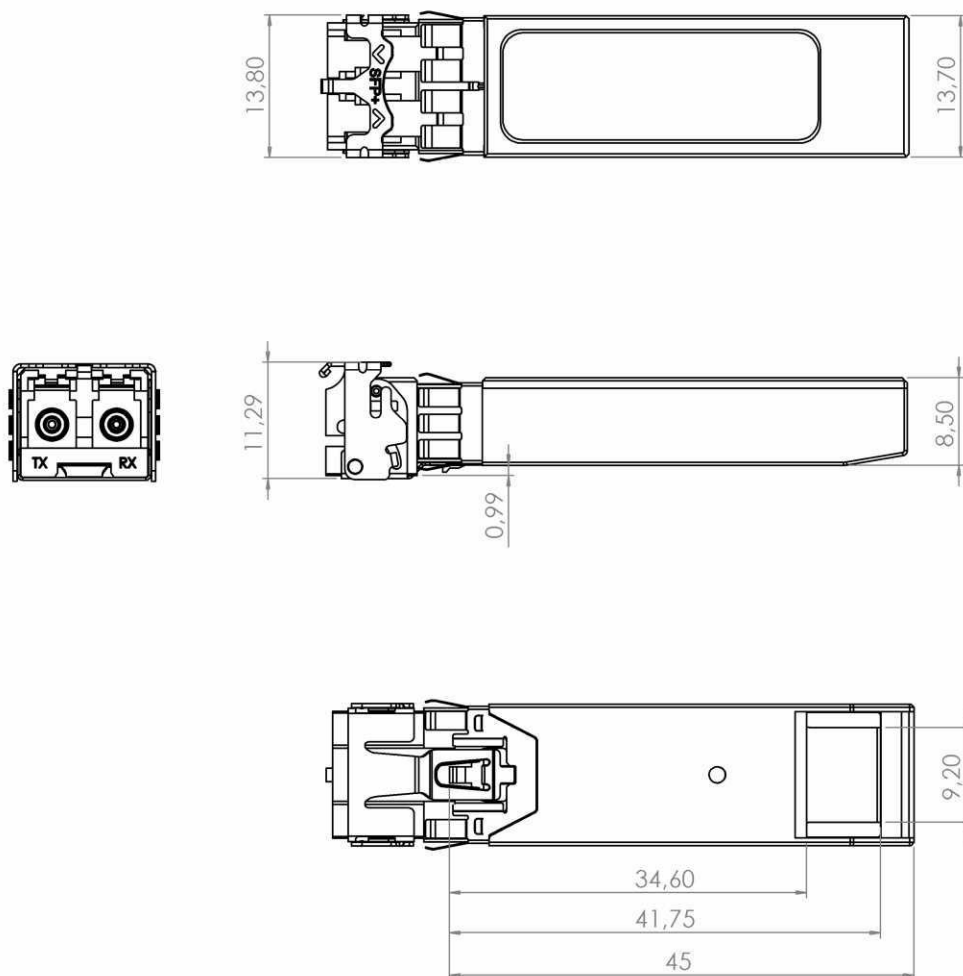
Package Outline

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(All Dimensions are shown in millimetres.)

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