

SFP+-Transceiver > CWDM

CSS-853A23D0-xx

Product Description

- Compliant with SFF-8431 (Electrical Interface Specification).
- Data rate from 1.0625 to 10.5 Gbps bit rates.
- EML transmitter and APD receiver.
- Eight CWDM wavelength according to the ITU G.654.2 grid from 1470 nm to 1610 nm (20 nm spacing)
- High sensitivity APD receiver
- Link budget at least 23 dB (without dispersion penalty)
- Built-in Digital Diagnostic Functions as specified in the SFF-8472 MSA
- RoHS compliant and lead free
- Case operation temperature range: 0°C to 70°C
- Applications:
 - 10GBASE-ZR/ZW 10G Ethernet
 - 1200-SM-LL-L 10G Fiber Channel
 - 8/4/2/1G Fiber Channel
 - 1000 BASE-ZX Ethernet
- Compatible versions for different switch types available

■ Product Description: CWDM SFP+ Transceiver

■ Product Code: CSS-853A23D0

■ Channel Code: -ZZ (chosen from table below)

Channel	Code
1471 nm	47
1491 nm	49
1511 nm	51
1531 nm	53
1551 nm	55
1571 nm	57
1591 nm	59
1611 nm	61

Example Order Code: CSS-853A23D0-51 for a SFP+ for the CWDM channel 1511 nm.



Revision History

No.	Description	Date	Created by
A	Initial release	06.11.12	Carsten Marheine

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General Specifications

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 4.0 V
Relative Humidity	5 to 95%

Operating Conditions

Operating Case Temperature	-5°C to 70°C
Supply Voltage	3.15 V to 3.45 V (typ. 3.3 V)
Supply Current	< 680mA

Transmitter Specifications

Operating Channel	Any ITU CWDM channel from 1470 nm to 1610 nm, selected via order code
Channel Spacing	20 nm
Average Optical Power	0 ... +4 dBm
Extinction Ratio	> 3.5 dB

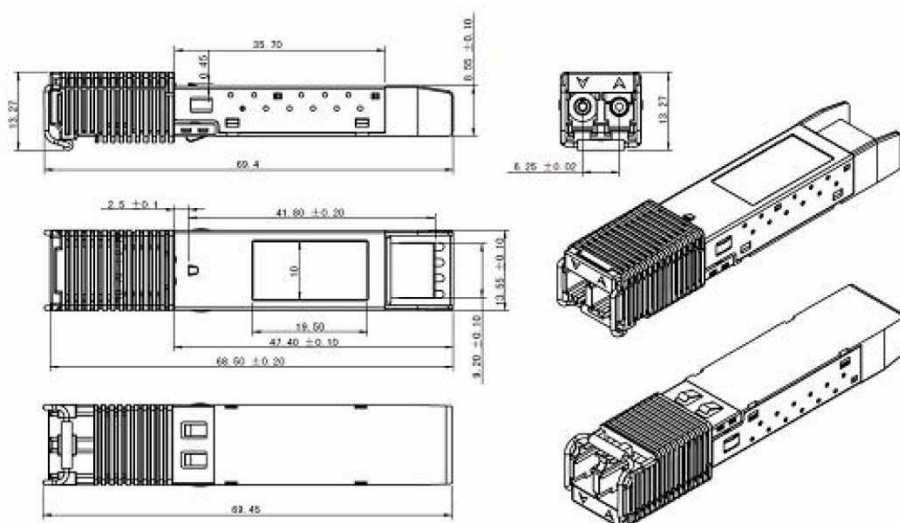
Receiver Specifications

Input Operating Wavelength	1260nm to 1620nm
Receiver Sensitivity (optical power)	<-23 dBm
Receiver Overload (Damage Threshold)	> -6 dBm
Data Rate	1.0625 Gbps to 10.5 Gbps

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Package Outline



(All dimensions are shown in millimeters.)

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