DATA SHEET

Transceivers
10G XFP CWDM ER
CXS-718A14

Properties

- Multi-protocol support
- Data rate 9.95...11.3 Gbps
- Reach up to 40km
- Any ITU CWDM channel between 1271nm and 1371nm
- LC/PC duplex connector
- Singlemode fiber
- Temp. range 0 ... 70°C
- Link budget at least 14 dB



General data	
Form factor	XFP
Product image	Actual product may differ from the images shown. Colours, design, and details can vary.
Protocol	10G Ethernet LAN/WAN, 10G FC, STM-64, OTN-2
Data rate standards	10GBASE-ER/EW
Media type	Singlemode
Connector	LC/PC duplex
Modulation Format	NRZ
Built-in FEC	No
CDR	Double
Operation temperature	0 °C ... 70 °C
Supply voltage typical	3.13 V ... 3.47 V
Supply Current	< 600 mA
Power consumption	< 2 W
Digital Diagnostic Management (DDM)	Yes
Laser hazard level	1

Absolute Maximum Ratings	
Max. supply voltage range	-0.5 V ... 4 V
Max. Storage Temperature Range	-40 °C ... 85 °C
Max. relative humidity range	5 % ... 85 %

Transmitter Specifications	
Laser Type	Uncooled DFB
Grid	CWDM 20nm
Available Wavelength in nm	Any ITU CWDM channel between 1271 nm and 1411 nm
Average launch power per lane	0 dBm ... 5 dBm

Transceivers

10G XFP CWDM ER

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Transmitter Specifications	
Extinction Ratio	> 3.5 dB
Side Mode Suppression	> 30 dB
Supported Data rate	9.95 Gbps ... 11.3 Gbps

Receiver Specifications	
Receiver Type	PIN
Operating Wavelength Range	1260 nm ... 1620nm
Receiver Overload	> 0.5 dBm
Receiver Sensitivity	< -15 dBm
Bit Error Rate at Receiver	1E-12
Receiver LOS De-Assert	< -18 dBm
Receiver LOS Assert	> -32 dBm
Receiver LOS Hysteresis	> 0.5
Supported Data rate	9.95 Gbps ... 11.3 Gbps

Ordering Information Table		
Order Code	Compatibility code explanation	Wavelength code explanation
CXS-718A14xxxx-ww	"xxxx" is an alphanumerical string, describing the compatibility. "0000" means no special coding to ensure compatibility with a special switch type.	-ww: CWDM channel chosen from table at the end

Channel Allocation			
Code	Wavelength	Code	Wavelength
-27	1271	-35	1351
-29	1291	-37	1371
-31	1311	-39	1391
-33	1331	-41	1411

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