DATA SHEET

Transceivers
10G XFP ER
CXS-730A14

Properties

- Multi-protocol support
- Data rate 9.95...11.3 Gbps
- Reach up to 40km
- Wavelength 1310nm
- 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 % ... 95 %

Transmitter Specifications	
Laser Type	Uncooled DFB
Operating Wavelength Range	1290 nm ... 1330nm
Average launch power per lane	0 dBm ... 5 dBm
Extinction Ratio	> 3.5 dB
Side Mode Suppression	> 30 dB

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Transmitter Specifications	
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 dB
Supported Data rate	9.95 Gbps ... 11.3 Gbps

Ordering Information Table		
Order Code	Compatibility code explanation	Wavelength code explanation
CXS-730A14xxxx-13	“xxxx” is an alphanumerical string, describing the compatibility. “0000” means no special coding to ensure compatibility with a special switch type.	-13: 1310nm

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