DATA SHEET

Transceivers
10G XFP ZR
CXS-721A23

Properties

- Multi-protocol support
- Data rate 9.95...11.3 Gbps
- Reach up to 80km
- Wavelength 1550nm
- LC/PC duplex connector
- Singlemode fiber
- Temp. range 0 ... 70°C
- Link budget at least 23 dB (w/o dispersion penalty)



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-ZR/ZW
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	4.75 V ... 5.25 V
Additional supply voltage typical	3.13 V ... 3.47 V
Power consumption	< 3.5 W
Digital Diagnostic Management (DDM)	Yes
Laser hazard level	1

Absolute Maximum Ratings	
Max. Storage Temperature Range	-40 °C ... 85 °C
Max. relative humidity range	5 % ... 85 %

Transmitter Specifications	
Laser Type	EML
Operating Wavelength Range	1530 nm ... 1570nm
Grid	None
Average launch power per lane	0 dBm ... 5 dBm
Dispersion Penalty	< 3 dB
Extinction Ratio	> 9

Transceivers

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

Receiver Specifications	
Receiver Type	APD
Operating Wavelength Range	1260 nm ... 1620nm
Receiver Overload	> -6 dBm
Receiver Sensitivity	< -23 dBm
Bit Error Rate at Receiver	1E-12
Receiver LOS De-Assert	< -27 dBm
Receiver LOS Assert	> -37 dBm
Receiver LOS Hysteresis	> 0.5
Supported Data rate	9.95 Gbps ... 11.3 Gbps

Ordering Information Table	
Order Code	Compatibility code explanation
CXS-721A23xxxx-15	“xxxx” is an alphanumerical string, describing the compatibility. “0000” means no special coding to ensure compatibility with a special switch type.

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