DATA SHEET

Transceivers
10G XFP Bidi ZR
CXB-702A23

Properties

- Multi-protocol support
- Data rate 9.95...11.3 Gbps
- Reach up to 80km
- Wavelength 1490/1550nm
- LC/PC simplex 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-SR/SW
Media type	Singlemode
Connector	LC/PC simplex
Modulation Format	NRZ
Built-in FEC	No
CDR	Double
Operation temperature	0 °C ... 70 °C
Power consumption	< 2.5 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 channels	1490nm (1480.00 to 1500.00nm) 1550nm (1540.00 to 1560.00nm)
Grid	None
Available Wavelength in nm	Tx 1490nm / Rx 1550nm Tx 1550nm / Rx 1490nm
Average launch power per lane	-1 dBm ... 3 dBm
Extinction Ratio	> 6 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	APD
Operating channels	1490nm (1480.00 to 1500.00nm)
	1550nm (1540.00 to 1560.00nm)
Receiver Overload	> -6 dBm
Receiver Sensitivity	< -24 dBm
Bit Error Rate at Receiver	1E-12
Maximum Optical Input Power per Lane (Overload)	-6 dBm
Receiver LOS De-Assert	< -25 dBm
Receiver LOS Assert	> -38 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
CXB-702A23xxxx-ww	"xxxx" is an alphanumerical string, describing the compatibility. "0000" means no special coding to ensure compatibility with a special switch type.	-45: 1490nm Laser / 1550nm Receiver
		-54: 1550nm Laser / 1490nm Receiver

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