10Gbps 100km XFP Transceiver
CLXFP1510GZR100

Product Features:

- 9.95Gbps to 11.1Gbps data links
- 100km with 9/125μm SMF
- 1550nm EML laser, APD ROSA
- Duplex LC Connector
- Hot-pluggable XFP footprint
- Single 3. 3V power supply
- Operating temperature: 0°C to 70°C
- RoHS
- Digital Diagnostic Monitor (DDM)
- Power Consumption < 1.5W

Functional Characteristics (Optical)

The following tables list the performance specifications for the various functional blocks of the integrated optical transceiver module.

Table 1 – Transmitter Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λc	1530	1550	1560	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	Pout	0		5	dBm
Extinction Ratio	ER	8			dB
Average Launch Power of Off Transmitter	Poff			-30	dBm

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λc	1270		1600	nm
Receiver Sensitivity	PIN			-26	dBm
Receiver Overload	Pmax	-7			dBm
LOS De-Assert	LOSD			-30	dBm
LOS Assert	LOSA	-32			dBm
LOS Hysteresis		0.5			dB

Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLXFP1510GZR100	9.95Gbps ~11.1Gbps	yes	1550nm	SMF	100km	0~70℃	LC

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