10Gbps XFP BIDI Transceiver
CLXFP10GBD2710D

Product Features:

- 9.95Gbps to 11.1Gbps data links
- 10km with 9/125μm SMF
- WDM TX1270/RX1330nm
- Simplex 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	1260	1270	1280	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	Pout	-6		1	dBm
Extinction Ratio	ER	4			dB
Average Launch Power of Off Transmitter	Poff			-30	dBm

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λc	1320	1330	1340	nm
Receiver Sensitivity	PIN			-15	dBm
Receiver Overload	Pmax	0.5			dBm
LOS De-Assert	LOSD			-19	dBm
LOS Assert	LOSA	-26			dBm
LOS Hysteresis		0.5			dB

Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLXFP10GBD2710D	9.95Gbps ~11.1Gbps	yes	Tx1270nmRx1330nm	SMF	10km	0~70℃	BiDi LC

CONTACT:

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