10Gbps BiDi SFP+ Transceiver
CLSFP10GBD3310D

Product Features:

- Up to 10Gbps data links
- 10km with 9/125μm SMF
- WDM TX1330nm/RX1270nm DFB/PIN laser
- Simplex LC Connector
- Hot-pluggable SFP+ footprint
- Single 3.3V power supply
- Operating temperature: 0°C to 70°C
- RoHS
- Digital Diagnostic Monitor (DDM)

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	1310	1330	1340	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	Pout	-5		5	dBm
Extinction Ratio	ER	3.5			dB
Average Launch Power of Off Transmitter	Poff			-30	dBm

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λc	1260	1270	1280	nm
Receiver Sensitivity	PIN			-14	dBm
Receiver Overload	Pmax	3			dBm
LOS De-Assert	LOSD			-19	dBm
LOS Assert	LOSA	-24			dBm
LOS Hysteresis		0.5		4.5	dB

Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	TX/RX	Fiber Type	Dist.	Temp.	Optical Interface
CLSFP10GBD3310D	10Gbps	yes	1330nm/1270nm	SMF	10km	0~70°C	BiDi LC

CONTACT:

Email: sales@c-light.com https://www.c-light.com