

10Gbps XFP BIDI 80km Transceiver CLXFP10GBD4580D

Product Features:

- 9.95Gbps to 11.1Gbps data links
- 80km with 9/125μm SMF
- WDM TX1490/RX1550nm
- 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	λ_c	1480	1490	1500	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	P _{out}	-1		5	dBm
Extinction Ratio	ER	8			dB
Average Launch Power of Off Transmitter	P _{off}			-30	dBm

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λ_c	1540	1550	1560	nm
Receiver Sensitivity	PIN			-25	dBm
Receiver Overload	P _{max}	-7			dBm
LOS De-Assert	LOSD			-28	dBm
LOS Assert	LOSA	-30			dBm
LOS Hysteresis		0.5			dB



Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLXFP10GBD4580D	9.95Gbps ~11.1Gbps	yes	Tx1490nmRx1550nm	SMF	80km	0~70°C	BiDi LC

*** WARNING: PLEASE KEEP THE RECEIVED POWER LOWER THAN -7dBm**

CONTACT:

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