10Gbps CSFP+ BiDi SFP Transceiver
CLCSFP10G332710D

Product Features:

- Up to 10.3125Gbps data links
- 10km with 9/125µm SMF
- 1270nm/1330nm DFB laser transmitter, 1330nm/1270nm PIN receiver
- Duplex LC Connector
- Two Bi-Directional transceivers in one SFP package
- Single +3.3V power supply
- Compliant with CSFP MSA 2.0 (Option 2)
- RoHS

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 Tx 1330nm	λc	1310	1330	1350	nm
Spectral Width (-20dB)	Δλ	-	-	1	nm
Optical Output Power	Po	-5	-	3	dBm
Optical Extinction Ratio	ER	3.5	-	-	dB
Rise/Fall Time (20%-80%)	Tr/Tf	-	-	260	ps

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength Rx 1270nm	λc	1250	1270	1290	nm
Receiver Sensitivity	PIN-MIN	-	-	-12.5	dBm
Receiver Overload	PIN-MAX	3	-	-	dBm
LOS De-Assert	PD	-	-	-20	dBm
LOS Assert	PA	-23	-	-	dBm
LOS Hysteresis	PA-PD	0.5	-	5	dB

Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLCSFP10G332710D	10Gbps	yes	Tx:1330nmRx:1270nm	SMF	10km	0~70℃	CSFP LC

CONTACT:

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