622Mbps BiDi LC 100km SFP Transceiver
CLSFP62BD1514100D

Product Features:

- Up to 622Mbps data links
- 100km with 9/125μm SMF *1
- TX 1550nm/ RX 1490nm DFB laser *1
- Simplex LC Connector
- Hot-pluggable SFP footprint
- Single 3. 3V power supply
- Operating temperature: Refer to *1
- 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	λc	1540	1550	1560	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	Pout	0		5	dBm
Extinction Ratio	ER	9			dB
Optical Rise/Fall Time	tr/tf			2	ns

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λc	1480	1490	1500	nm
Receiver Sensitivity	PIN-TIA			-28	dBm
Receiver Overload	PMAX	1			dBm
LOS De-Assert	LOSD			-32	dBm
LOS Assert	LOSA	-37			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
CLSFP62BD1514100D	622Mbps	yes	TX 1550nm/ RX 1490nm	SMF	100km	-40~85℃	Simplex LC

CONTACT:

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