2.5Gbps BiDi LC 80km SFP Transceiver CLSFP25BD141580D-L CLSFP25BD141580D-LI

Product Features:

- Up to 2.5Gbps data links
- 80km with 9/125μm SMF *1
- 1490nm DFB /1550nm PIN laser *1
- Simplex LC Connector
- Hot-pluggable SFP footprint
- Single 3. 3V power supply
- Operating temperature: Refer to *1
- RoHS
- *1

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	1470	1490	1510	nm
Spectral Width (RMS)	σ			4	nm
Average Output Power	Pout	-3		5	dBm
Extinction Ratio	ER	8			dB
Optical Rise/Fall Time	tr/tf			2	ns

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λc	1540	1550	1560	nm
Receiver Sensitivity	PIN			-23	dBm
Receiver Overload	PMAX	1			dBm
LOS De-Assert	LOSD			-30	dBm
LOS Assert	LOSA	-35			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
CLSFP25BD141580D-L	2.5Gbps	yes	1490nm/ 1550nm	SMF	80km	0~70℃	BiDi LC
CLSFP25BD141580D-LI	2.5Gbps	yes	1490nm/ 1550nm	SMF	80km	-40~85℃	BiDi LC

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