155Mbps BiDi LC 2km SFP Transceiver
CLSFP15BD151302D

Product Features:

- Up to 155Mbps data links
- 2km with 9/125μm SMF *1
- T 1550nm/ R 1310nm FP 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 (-02DB)	σ			1	nm
Average Output Power	Pout	-9		-3	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	1270	1310	1350	nm
Receiver Sensitivity	PIN-TIA			-26	dBm
Receiver Overload	PMAX	1			dBm
LOS De-Assert	LOSD			-28	dBm
LOS Assert	LOSA	-40			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
CLSFP15BD151302D	155Mbps	yes	1550nm/1310nm	SMF	2km	-40~85°C	Simplex LC

CONTACT:

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