1.25Gbps BiDi LC 20Km SFP Transceiver
CLSFPGEBD151320D

Product Features:

- Up to 1.25Gbps data links
- 20km with 9/125µm SMF
- 1310nm FP /1550nm DFB laser/ PIN receiver
- Simplex LC Connector
- Hot-pluggable SFP footprint
- Single 3.3V power supply
- Operating temperature: 0°C to 70°C
- 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	Notes
Centre Wavelength (CLSFPGEBD151320D)	λc	1530	1550	1570	nm	
Spectral Width (RMS)	σ			4	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	Notes
Receiver Sensitivity	PIN			-19	dBm	
Receiver Overload	PMAX	-2			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
CLSFPGEBD151320D	1.25Gbps	yes	1550nm/1310nm	SMF	20km	0~70℃	BiDi LC

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