BiDi SFP+ 20km Transceiver 9.95 Gb/s, 10.3125 Gb/s, 10.7Gb/s, 11.1Gb/s
CLSFP11GBD3220D

Product Features:

- Up to 11.1Gbps data links
- 20km with 9/125µm SMF *1
- WDM TX1330nm/RX1270nm DFB/PIN laser
- Simplex LC Connector
- Hot-pluggable SFP+ footprint
- Single 3. 3V power supply
- Operating temperature: 0°C to 70°C
- RoHS
- Digital Diagnostic Monitor (DDM)

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	1310	1330	1340	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	Pout	-5		1	dBm
Extinction Ratio	ER	3.5			dB
Average Launch Power of Off Transmitter	Poff			-30	dBm

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λc	1260	1270	1280	nm
Receiver Sensitivity @9.95Gbps/10.31Gbps	PIN			-15	dBm
Receiver Sensitivity @10.7Gbps/11.1Gbps	PIN			-14	dBm
Receiver Overload	Pmax	3			dBm
LOS De-Assert	LOSD			-19	dBm
LOS Assert	LOSA	-24			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

CLSFP11GBD3220D	9.95Gbps~11.1Gbps	yes	1330nm/1270nm	SMF	20km	0~70℃	BiDi LC

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