10Gbps BiDi SFP+ Transceiver
CLSFP10GBD2980D

Product Features:

- Up to 10Gbps data links
- 80km with 9/125μm SMF
- WDM TX1290/RX1310nm DFB/APD 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	1280	1290	1300	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	Pout	1		5	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	1300	1310	1320	nm
Receiver Sensitivity	PIN			-22	dBm
Receiver Overload	Pmax	-7			dBm
LOS De-Assert	LOSD			-24	dBm
LOS Assert	LOSA	-30			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
CLSFP10GBD2980D	10Gbps	yes	1290nm/1310nm	SMF	80km	0~70℃	BiDi LC

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