10Gbps BiDi 80km SFP+ Transceiver
CLSFP10GBD4580D

Product Features:

- Up to 10Gbps data links
- 80km with 9/125μm SMF
- TX1490/RX1550nm cooled EML/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	1480	1490	1500	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	Pout	-2		5	dBm
Extinction Ratio	ER	8			dB
Average Launch Power of Off Transmitter	Poff			-30	dBm

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λc	1540	1550	1560	nm
Receiver Sensitivity	PIN			-24	dBm
Receiver Overload	Pmax	-7			dBm
LOS De-Assert	LOSD			-32	dBm
LOS Assert	LOSA	-37			dBm
LOS Hysteresis		0.5		4.5	dB

Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLSFP10GBD4580D	10Gbps	yes	Tx1490nm/Rx1550 nm	SMF	80km	0~70℃	Simplex LC

* WARNING: PLEASE KEEP THE RECEIVED POWER LOWER THAN -7dBm

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