10Gbps XFP Transceiver
CLXFP8510GSR

Product Features:

- 9.95Gbps to 11.1Gbps data links
- 300m with 50/125μm 2000MHz MMF
- 850nm VCSEL laser
- Duplex LC Connector
- Hot-pluggable XFP footprint
- Single 3. 3V power supply
- Operating temperature: 0°C to 70°C
- RoHS
- Digital Diagnostic Monitor (DDM)
- Power Consumption <1.5W

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	840	850	860	nm
Spectral Width (RMS)	σ			0.5	nm
Average Output Power	Pout	-5		0	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	840		860	nm
Receiver Sensitivity	PIN			-12	dBm
Receiver Overload	Pmax	0.5			dBm
LOS De-Assert	LOSD			-15	dBm
LOS Assert	LOSA	-25			dBm
LOS Hysteresis		0.5			dB

Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLXFP8510GSR	9.95Gbps ~11.1Gbps	yes	850nm	MMF	300m	0~70°C	LC

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