

10G 300m SFP+ Transceiver CLSFP8510GSR

Product Features

- Up to 10Gbps data links
- 300m with 50/125μm 2000MHz MMF
- 850nm VCSEL laser
- Duplex LC Connector
- Hot-pluggable SFP+ footprint
- Single 3.3V power supply
- Operating temperature: 0°C to 70°C
- RoHS
- Digital Diagnostic Monitor(DDM)
- Power Consumption < 0.8W



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	λ_c	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

Note 1: Average launch power, each lane (min) is informative and not the principal indicator of signal strength

Note 2: Transmitter reflectance is defined looking into the transmitt

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λ_c	840	850	860	nm
Receiver Sensitivity	PIN			-13	dBm
Receiver Overload	Pmax	0.5			dBm
LOS De-Assert	LOSD			-16	dBm
LOS Assert	LOSA	-18			dBm
LOS Hysteresis		0.5			dB

Note 1: Measured with conformance test signal at TP3 for the BER= 6.4x10⁻⁵.

Ordering Information

Table 3 - Ordering Information

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLSFP8510GSR	10Gbps	Yes	850nm	MMF	300m	0~70°C	LC

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