

10Gbps SMF 1.4KM SFP+ Transceiver CLSFP1310GLR02

Product Features:

- Up to 10Gbps data links
- 1.4km with 9/125μm SMF
- 1310nm DFB laser
- Duplex LC Connector
- Hot-pluggable SFP+ footprint
- Single 3.3V power supply
- Operating temperature: 0°C to 70°C
- RoHS
- Digital Diagnostic Monitor compatible
- 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	Notes
Centre Wavelength	λ_c	1260	1310	1360	nm	
Spectral Width (RMS)	σ	-	-	3	nm	
Average Output Power	P _{out}	-6	-	0	dBm	
Extinction Ratio	ER	3.5	-	-	dB	
Average Launch Power of Off Transmitter	P _{off}	-	-	-30	dBm	

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit	Notes
Centre Wavelength	λ_c	1200	1310	1600	nm	
Receiver Sensitivity	PIN	-	-	-13	dBm	
Receiver Overload	P _{max}	0.5	-	-	dBm	
LOS De-Assert	LOSD	-	-	-25	dBm	
LOS Assert	LOSA	-26	-	-	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
CLSFP1310GLR02	10Gbps	yes	1310nm	SMF	1.4km	0~70°C	LC

CONTACT:

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