10Gbps 1310nm 70km SFP+ Transceiver

CLSFP1310GLR70

Product Features:

- Up to 10Gbps data links
- 70km with 9/125μm SMF
- 1310nm DFB laser + APD Receiver
- 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
Centre Wavelength	λc	1260	1310	1360	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	Pout	2		6	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	1200	1310	1600	nm
Receiver Sensitivity	PIN			-22	dBm
Receiver Overload	Pmax	-7			dBm
LOS De-Assert	LOSD			-23	dBm
LOS Assert	LOSA	-28			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
CLSFP1310GLR70	10Gbps	yes	1310nm	SMF	70km	0~70℃	LC

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