

10G 120KM SFP+ Transceiver

Power Budget>26dB, Dispersion=1900ps/nm

CLSFP1510GZR120

Product Features

- Up to 10Gbps data links
- 120KM with 9/125μm SMF
- 1550nm EML 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(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	λ_c	1530	1550	1570	nm
Spectral Width (-20dB)	σ			1	nm
Average Output Power	P _{out}	1		5	dBm
Extinction Ratio	ER	8.2			dB
Average Launch Power of Off Transmitter	P _{off}			-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 transmitter

Table 2 – Receiver Optical Specifications

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	λ_c	1200	1550	1600	nm
Receiver Sensitivity	PIN			-26	dBm
Receiver Overload	P _{max}	-7			dBm
LOS De-Assert	LOSD			-32	dBm
LOS Assert	LOSA	-37			dBm
LOS Hysteresis		0.5		4.5	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
CLSFP1510GZR120	10Gbps	Yes	1550nm	SMF	120KM	0~70°C	LC

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

CONTACT:

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