

## 10G 100KM SFP+ Transceiver CLSFP1510GZR100

### Product Features

- Up to 10Gbps data links
- 100KM 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	$\lambda_c$	1530	1550	1570	nm
Spectral Width (-20dB)	$\sigma$			1	nm
Average Output Power	Pout	1		5	dBm
Extinction Ratio	ER	8.2			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 transmitter

**Table 2 – Receiver Optical Specifications**

Parameter	Symbol	Min.	Typical	Max.	Unit
Centre Wavelength	$\lambda_c$	1200	1550	1600	nm
Receiver Sensitivity	PIN			-26	dBm
Receiver Overload	Pmax	-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<sup>-5</sup>.

### Ordering Information

**Table 3 - Ordering Information**

Part No.	Data Rate	DDM	Wave	Fiber Type	Dist.	Temp.	Optical Interface
CLSFP1510GZR100	10Gbps	yes	1550nm	SMF	100km	0~70°C	LC

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

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