

Mini GBIC Single-mode Transceiver MGB1310

SFP, Duplex LC Connector, 1310nm



Description

The CTS-LC00XX-SM are high performance and cost-effective module for serial optical data communication applications specified for single mode of 1.25 Gb/s. It operates with +3.3V power supply. The module is intended for single mode fiber, operates at a nominal wavelength of 1310nm and complies with Multi-Source Agreement (MSA) Small Form Factor Pluggable (SFP). Each module consists of a transmitter optical subassembly, a receiver optical subassembly and an electrical subassembly. All of them are housed in a metal package and the combination produces a reliable component.

The module is a duplex LC connector transceiver designed for use in Gigabit Ethernet applications and to provide IEEE-802.3z compliant link for 1.25Gb/s intermediate reach applications. The characteristics are performed in accordance with Telcordia Specification GR-468-CORE.

Features:

- 1310nm FP LD
- Data Rate: 1.25Gbps, NRZ
- Single +3.3V Power Supply
- AC/AC or DC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA) Small Form Factor Pluggable (SFP)
- Duplex LC Connector
- Compliance with specifications for IEEE-802.3z Gigabit Ethernet at 1.25 Gbps
- Compliance with ANSI specifications for Fibre Channel applications at 1.06 Gbps
- Eye Safety
- Designed to meet Laser Class 1 comply with EN60825-1

Ordering Information:

CTS-LC0010-SM :
Mini GBIC Transceiver, Single-mode 10KM

CTS-LC0040-SM :
Mini GBIC Transceiver, Single-mode 40KM

CTS-LC0070-SM :
Mini GBIC Transceiver, Single-mode 70KM

* Product specification subject to change without notice.

Specification:

Application

Gigabit Ethernet Links
Fibre Channel Links at 1.06 Gbps
High Speed Backplane Interconnects
Switched Backbones

EMC

Most equipment utilizing high-speed transceivers will be required to meet the following requirements:

- 1) FCC in the United States
- 2) CENELEC EN55022 (CISPR 22) in Europe

To assist the customer in managing the overall equipment EMC performance, the transceivers have been designed to satisfy FCC class B limits and provide good immunity to radio-frequency electromagnetic fields.

Eye Safety

The transceivers have been designed to meet Class 1 eye safety and comply with EN 60825-1.