



Product Specification

10km 25G LR SFP28 Optical Transceiver Module

OM6363LX102

PRODUCT FEATURES

- SFP28 MSA compliant
- Compliant to IEEE 802.3cc 25GBASE-LR
- Hot pluggable 20 pin electrical interface
- 25G electrical interface (OIF CEI-28G-VSR)
- Duplex LC optical receptacle
- 1295~1325nm uncooled DFB transmitter
- Maximum power consumption 1 W
- Up to 25.78Gb/s data links
- Up to 10km transmission on single mode fiber
- Operating case temperature: -40 to 85 °C
- Single 3.3V power supply
- RoHS 2.0 compliant



APPLICATIONS

- CPRI/eCPRI
- 10G/25G Ethernet switches and routers

DESCRIPTIONS

OM6363LX102 is a very compact 25 Gb/s optical transceiver module for serial optical communication applications at 25Gb/s. OM6363LX102 converts a 25Gb/s serial electrical data stream to 25Gb/s optical output signal and a 25Gb/s optical input signal to 25Gb/s serial electrical data streams. The high speed 25 Gb/s electrical interface is fully compliant with SFI specification of SFF 8431.

OM6363LX102 is designed for CPRI (24.33 Gb/s) and Ethernet LAN (25.78Gb/s) applications. The high performance 1310nm DFB-LD transmitter and high sensitivity PIN receiver provide superior performance for Ethernet applications at up to 10km links.

The fully SFP compliant form factor provides hot pluggability, easy optical port upgrades and low EMI emission.

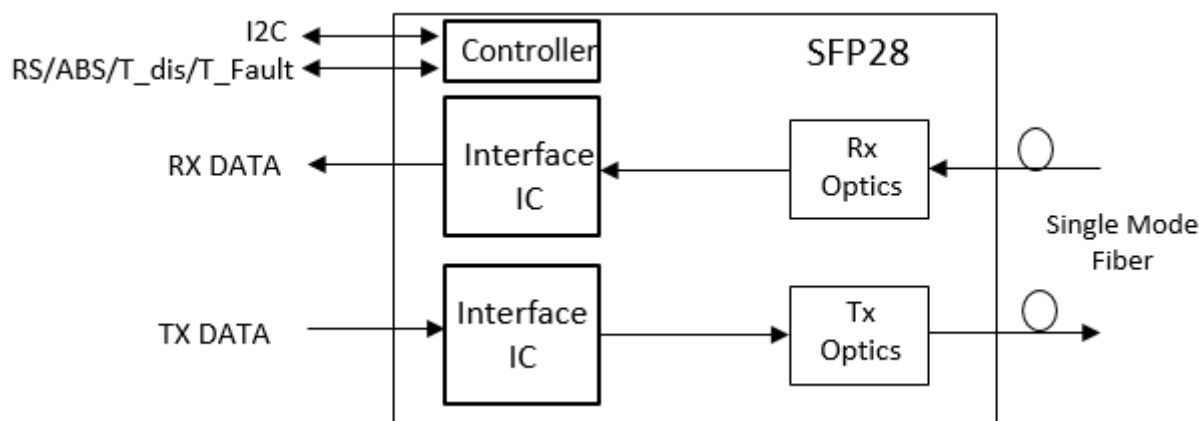


Figure 1. Transceiver Block Diagram

Ordering Information

Part Number	Description
OM6363LX102	SFP28-25G-1310nm-10km-SM

END