

TSFP28 25G DWDM 10 km (OM6353LX200)

Databrief

Product Features

- SFP28 MSA compliant
- 25G electrical interface (OIF CEI-28G-VSR)
- 48 channels (191.3–196.0 THz/191.4–196.1 THz)
- 100 GHz channel spacing
- Maximum power consumption 2.5 W
- LC duplex connector
- 24.33024 Gbps, 25.78125 Gbps (with FEC);
9.8304 Gbps, 10.1376 Gbps, 10.3125 Gbps
- Wavelength auto-tuning
- Up to 10 km transmission on single mode fiber
- Operating case temperature: –20°C to +85°C
- Single 3.3 V power supply
- RoHS 2 compliant

Applications

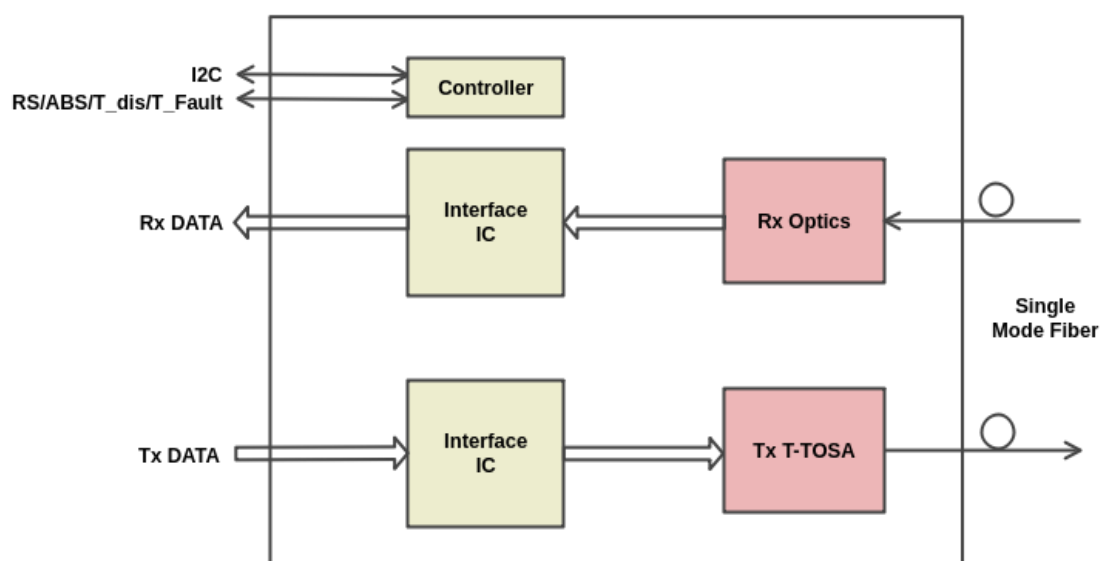
- CPRI/eCPRI
- 10G/25G Ethernet switches and routers



1. Function Description

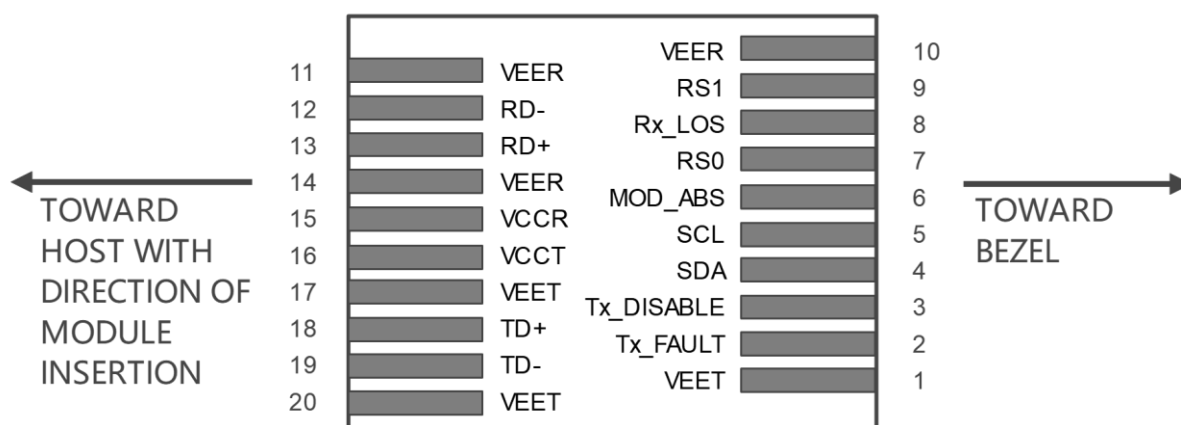
OM6353LX200 is a tunable transceiver module designed for 10 km optical communication applications, and it is compliant to SFP28 MSA standard. This module can convert a 25 Gbps electrical data to 25 Gbps optical signals. Similarly, it can convert a 25 Gbps optical input signal to 25 Gbps serial electrical data. It has been designed to meet the harshest external operating conditions including temperature, humidity and EMI interference. The module offers very high functionality and feature integration, accessible via a two-wire serial interface.

Figure 1-1 Transceiver block diagram



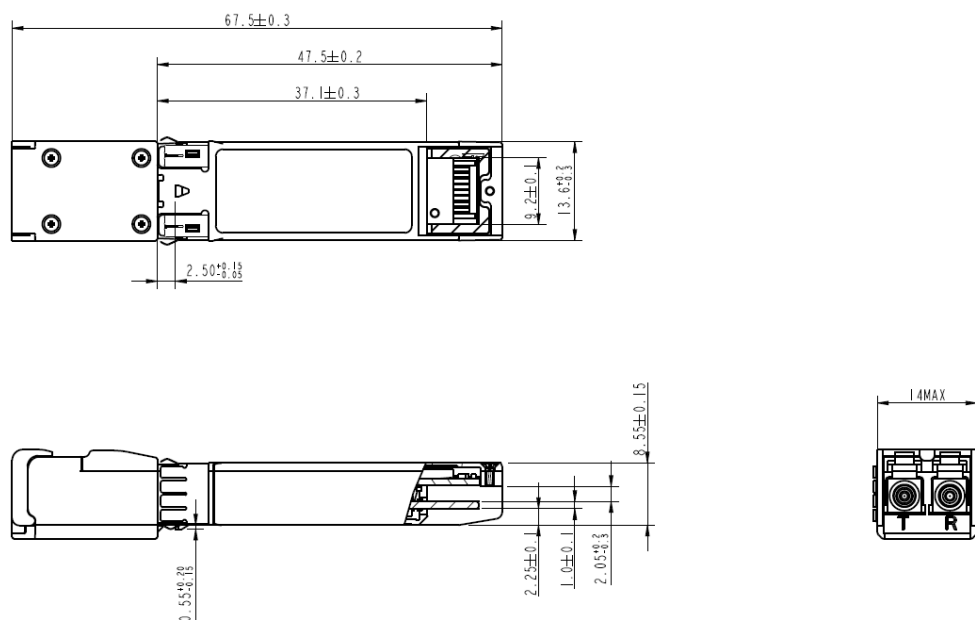
2. Pin Description

Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Figure 3-1 Mechanical dimensions




4. Ordering Information

Part Number	Description
OM6353LX200	TSFP28 25G DWDM 10 km

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