

TSFP28 25G DWDM 15 km (OM6353LE200)

# Databrief

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## Product Features

- SFP28 MSA compliant
- 25G electrical interface (OIF CEI-28G-VSR)
- 48 channels (191.4–196.1 THz)
- 100 GHz channel spacing
- Maximum power consumption 2.5 W
- LC duplex connector
- Support 24.33024G, 25.78125 Gbps (with FEC); 9.8304G, 10.1376G, 10.3125 Gbps
- Wavelength auto-tuning
- Up to 15 km transmission on single mode fiber
- Operating case temperature: –20°C to +85°C, cold start at –40°C
- Single 3.3 V power supply
- RoHS 2 compliant

## Applications

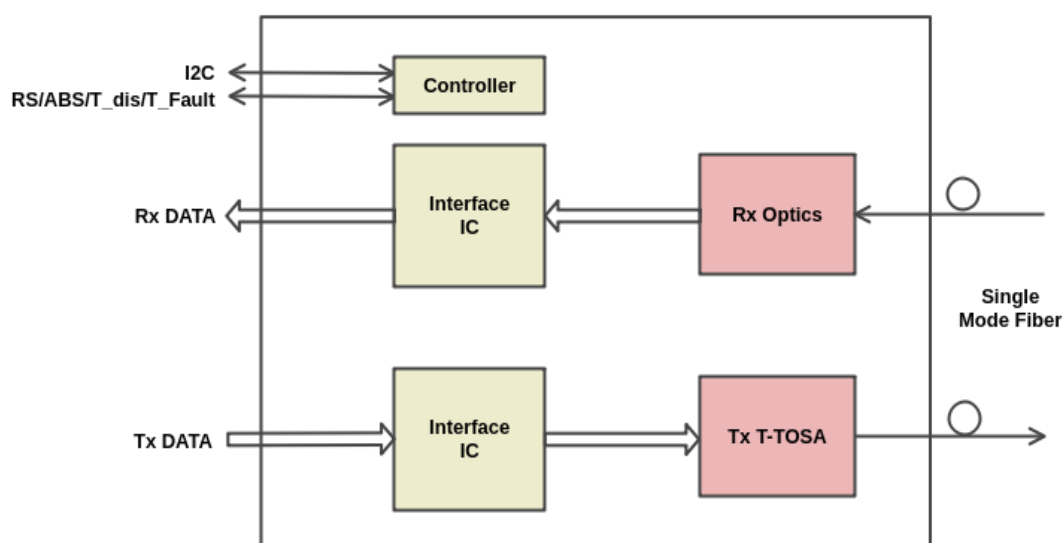
- CPRI/eCPRI: 24.33024G/25.78125 Gbps; 9.8304G/10.1376G/10.3125 Gbps
- 10G/25G Ethernet switches and routers



## 1. Function Description

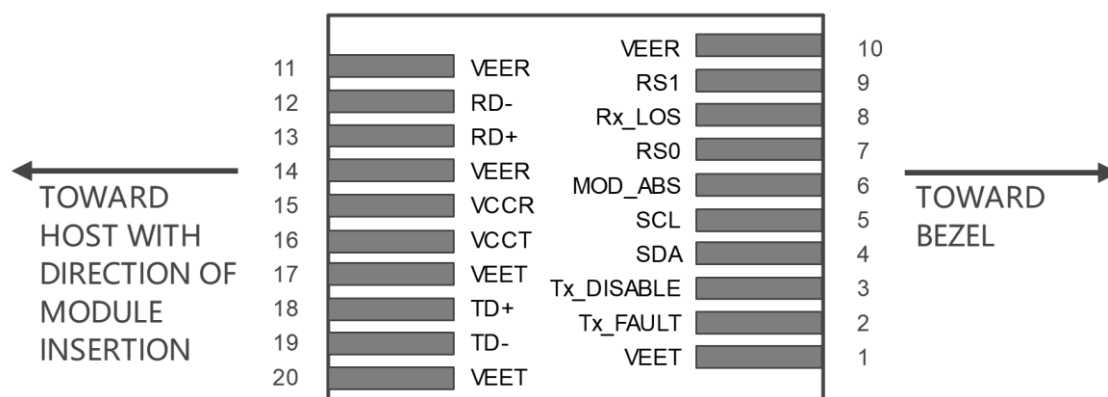
OM6353LE200 is a tunable transceiver module designed for 15 km optical communication applications, and it is compliant to SFP28 MSA standard. This module can convert a 25 Gbps electrical data to 25 Gbps optical signals. Similarly, it can convert a 25 Gbps optical input signal to 25 Gbps serial electrical 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. The module supports auto-tuning, remote-tuning and remote-DDMI.

Figure 1-1 Transceiver block diagram



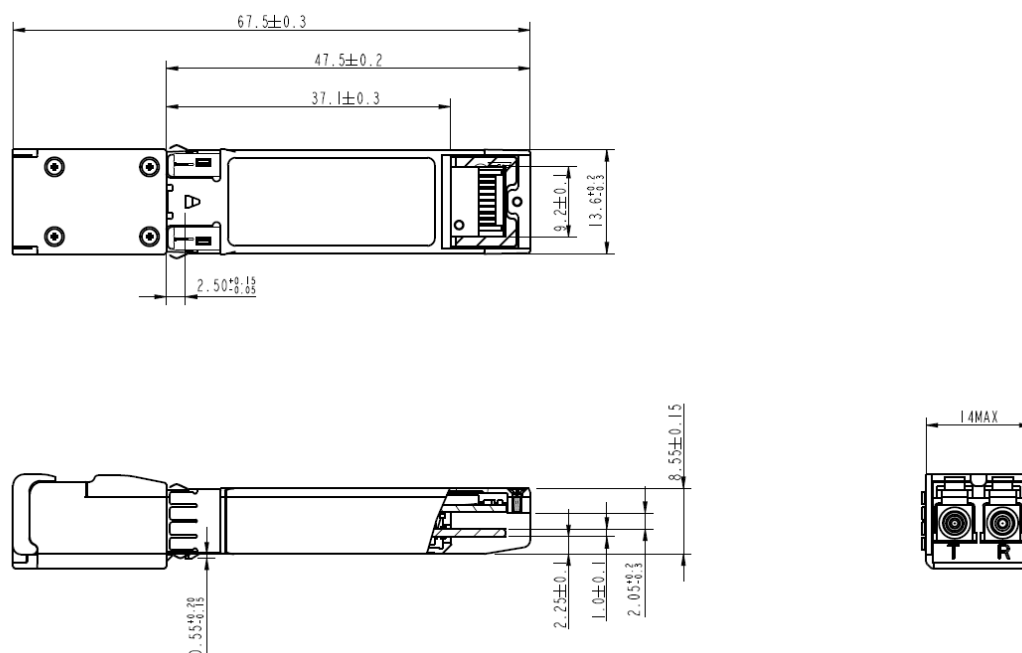
## 2. Pin Description

Figure 2-1 MSA compliant connector



## 3. Mechanical Specifications

Figure 3-1 Mechanical dimensions




## 4. Ordering Information

Part Number	Description
OM6353LE200	SFP28 25G 15 km C Band Tunable

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