

TSFP+ 10G DWDM 80 km

Databrief

Product Features

- SFP+ MSA compliant
- 48 channels (191.4–196.1 THz)
- 100 GHz channel spacing
- Maximum power consumption:
2.5 W (OM6253ZX200)/2.0 W (OM6253ZX201)
- LC duplex connector
- Supports 9.8304 Gbps, 10.1376 Gbps, 10.3125 Gbps, 11.32 Gbps without CDR
- Wavelength auto-tuning
- APD receiver
- Up to 80 km transmission on single mode fiber
- Operating case temperature: –20°C to +85°C,
cold start at –40°C (OM6253ZX200)/0°C to 70°C
(OM6253ZX201)
- Single 3.3 V power supply
- RoHS 2 compliant

Applications

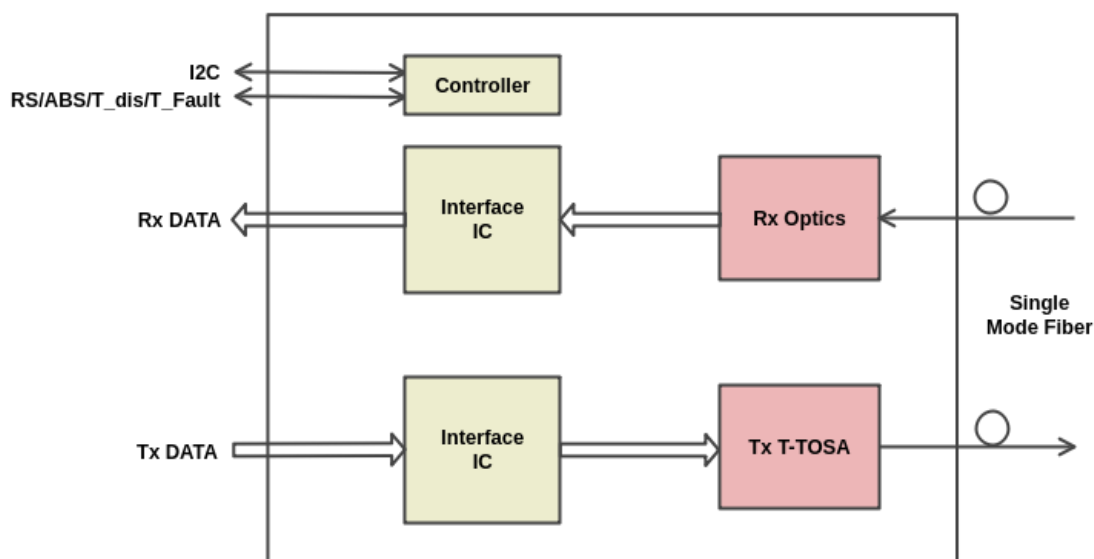
- 10G CPRI/eCPRI
- 10G Ethernet switches and routers



1. Function Description

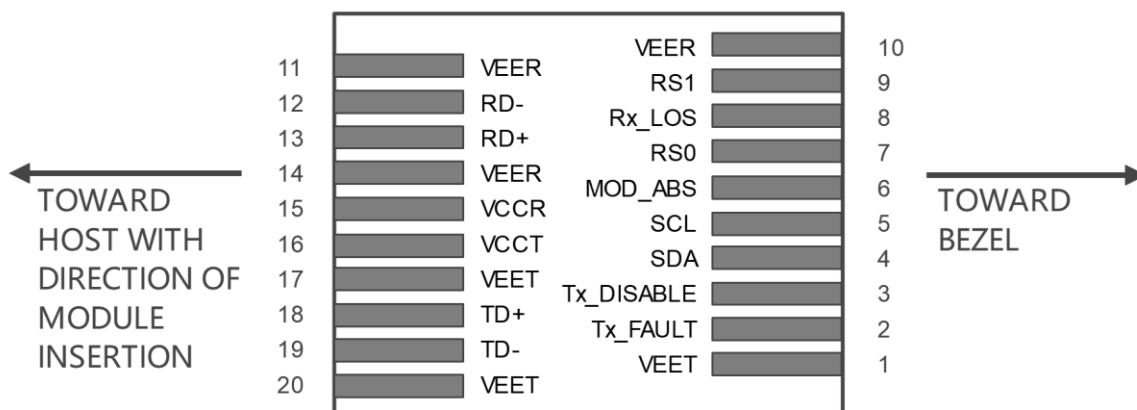
This module is a tunable transceiver module designed for 80 km optical communication applications, and it is compliant to SFP+ MSA standard. This module can convert a 10 Gbps electrical data to 10 Gbps optical signals. Similarly, it can convert a 10 Gbps optical input signal to 10 Gbps serial electrical 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



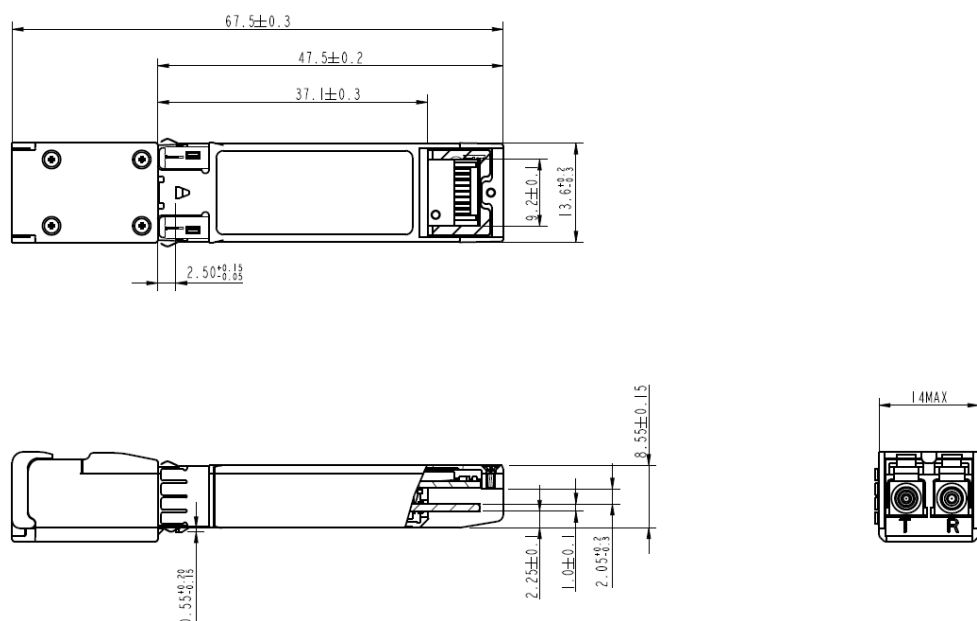
2. Pin Description

Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Figure 3-1 Mechanical dimensions



4. Ordering Information

Part number	Description
OM6253ZX200	TSFP+ 10G 80 km C Band Tunable
OM6253ZX201	TSFP+ 10G 80 km C Band Tunable

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