

TSFP+ 10G DWDM 80 km (OM6253ZX210)

Databrief

Product Features

- SFP+ MSA compliant
- 96 channels (191.35–196.1 THz)
- 50 GHz channel spacing
- Maximum power consumption 2.5 W
- LC duplex connector
- Support 9.8304 Gbps, 10.1376 Gbps, 10.3125 Gbps, 11.32 Gbps without CDR
- APD receiver
- Up to 80 km transmission on single mode fiber
- Operating case temperature: –20 to +85°C, cold start at –40°C
- Single 3.3 V power supply
- RoHS 2.0 compliant

Applications

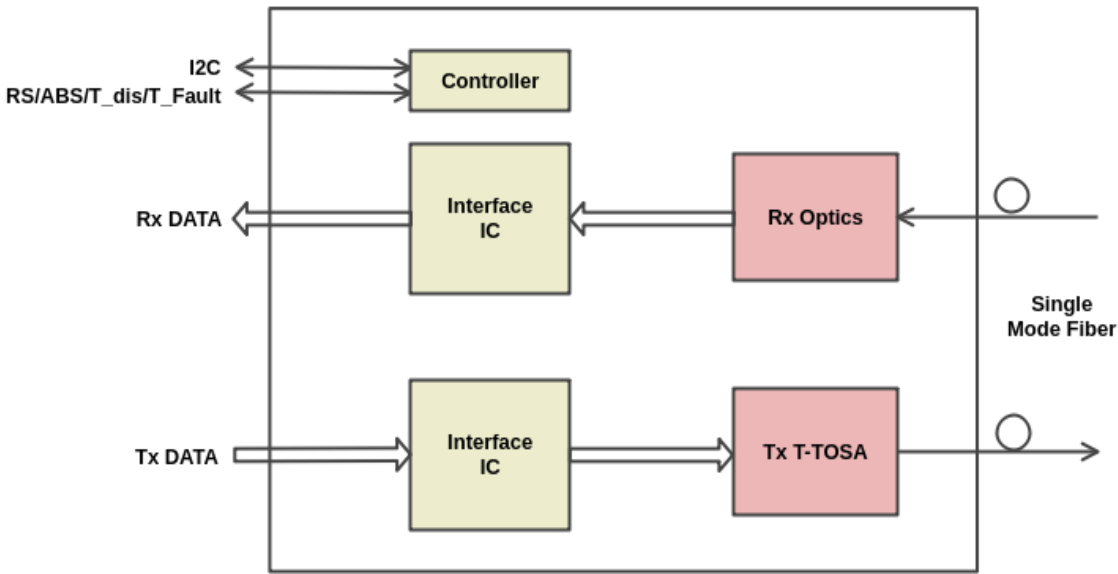
- 10G CPRI/eCPRI
- 10G Ethernet switches and routers



1. Descriptions

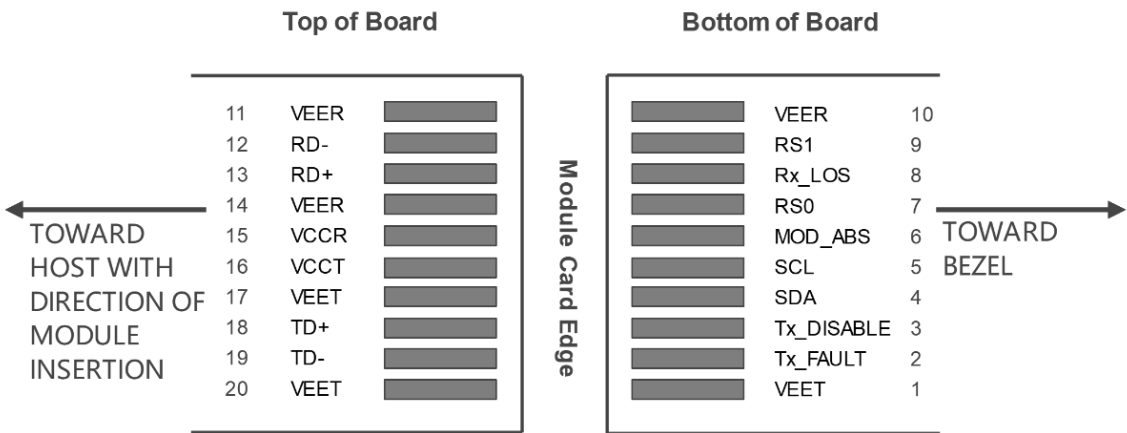
OM6253ZX210 is a tunable transceiver module designed for 80 km optical communication applications, and it is compliant to SFP+ MSA standard. This module can convert a 10 Gbps electrical data to 10 Gbps optical signals. Similarly, it can convert a 10 Gbps optical input signal to 10 Gbps serial electrical 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



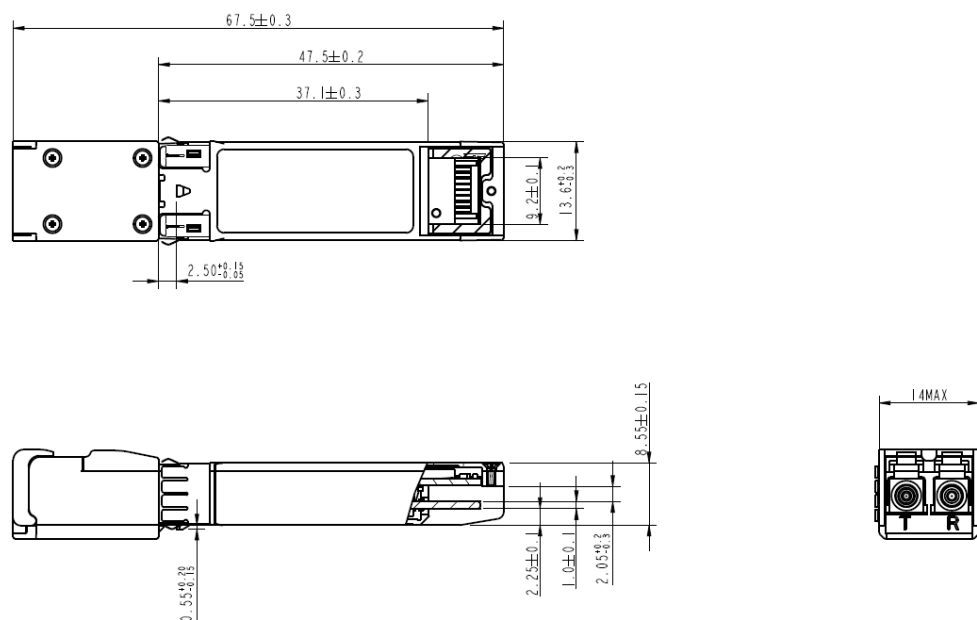
2. Pin Descriptions

Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Figure 3-1 Mechanical dimensions



4. Ordering Information

Part number	Description
OM6253ZX210	TSFP+ 10G 80 km C Band Tunable

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