

## 400ZR Coherent QSFP-DD (OM876AXX100)

# Databrief

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### Product Features

- Compliant with QSFP-DD MSA
- Compliant with OIF 400ZR 1.0
- Supports digital diagnostic monitoring
- Supports 400GAUI-8 host interface and 400G 16QAM modulation Media interface
- Full C-band tunable, supports 100/75 GHz grid spacing
- Transmitter output power tunable
- Typical power consumption: 15 W
- Operating case temperature: 0°C to 75°C

### Applications

- Edge DCI: 80~120 km

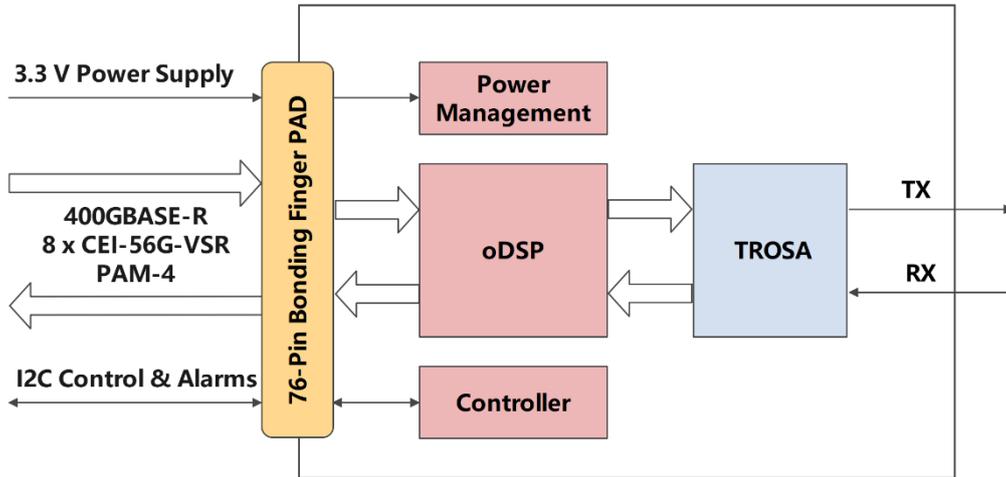


# 1. Description

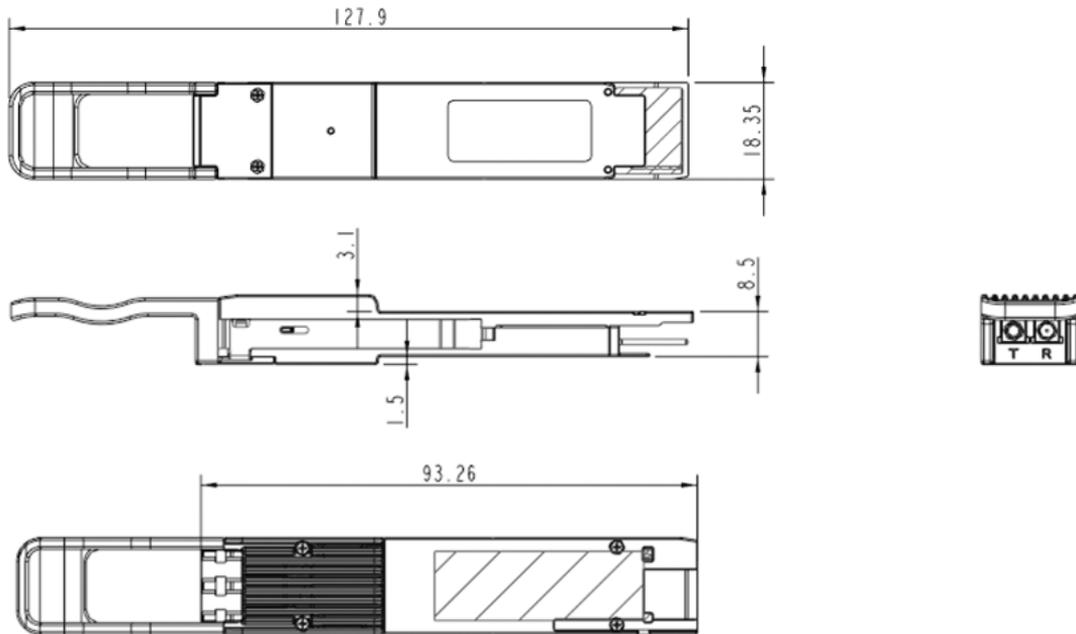
The OM876AXX100 coherent module, compliant with the OIF 400ZR MSA and QSFP-DD MSA standards, is designed for DCI applications. The digital diagnostics function is available via an I2C interface, as specified by the QSFP-DD MSA.

The OM876AXX100 is a C-band 75/100 GHz grid coherent optical module that combines coherent DSP ASIC functionality with best in class ultra-narrow line-width tunable lasers, high speed modulators and high responsively coherent receivers to deliver high performance at 400G 16QAM modulation formats (at 60G baud rate).

The functional block diagram is shown as below.



# 2. Mechanical Specifications (Unit: mm)



# 3. Ordering Information

Part Number	Description
OM876AXX100	400ZR Coherent QSFP-DD

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