

## 400ZR Coherent QSFP-DD (OM876AXX100)

# Databrief

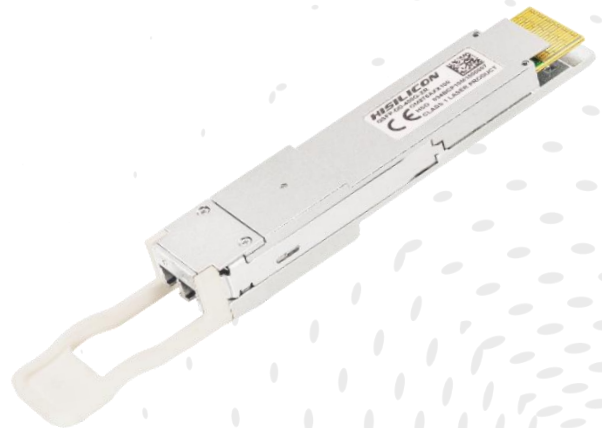
---

### 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

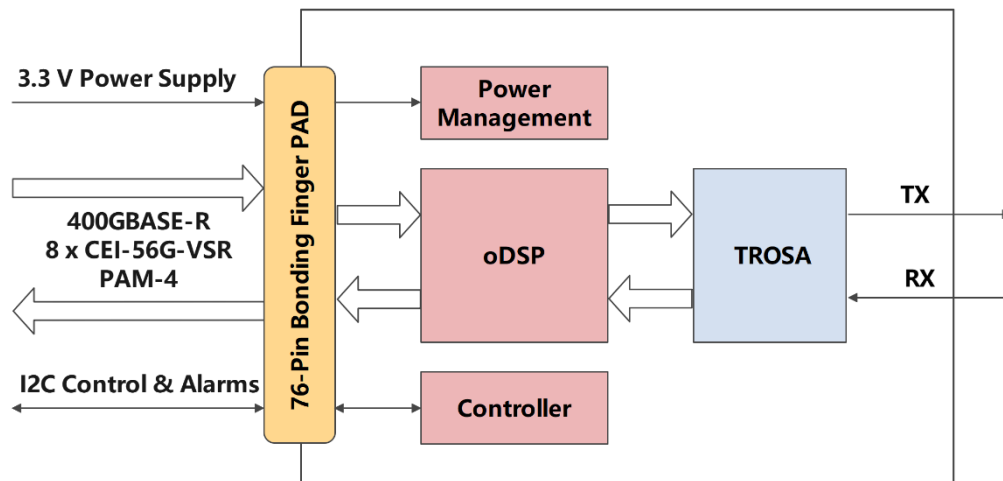


# 1. Description

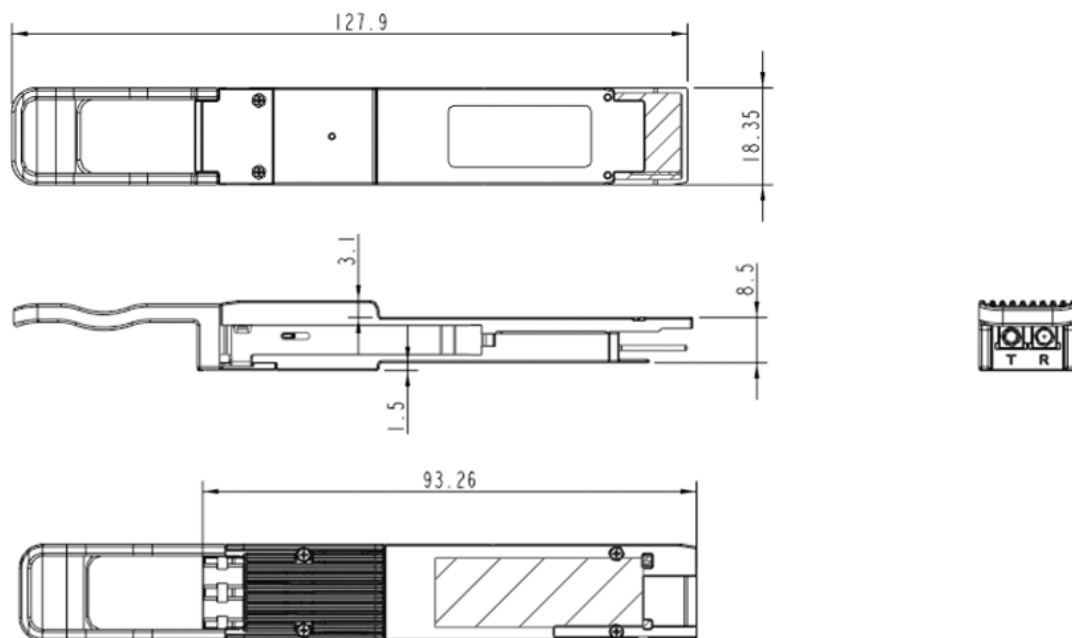
The OM876AXX100 coherent module, compliant with the OIF 400ZR MSA and QSFP-DD MSA standards, is designed for DCI applications. The digital diagnostics function is available via an I2C interface, as specified by the QSFP-DD MSA.

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

**Copyright © HiSilicon Optoelectronics Co., Ltd. 2023. All rights reserved.**

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of HiSilicon Optoelectronics Co., Ltd.

#### **Trademarks and Permissions**

 is a trademark of HiSilicon Optoelectronics Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

#### **Notice**

The purchased products, services and features are stipulated by the contract made between HiSilicon Optoelectronics Co., Ltd. and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.