

200G QSFP56 SR4 100 m Transceiver

QSFP56 Series



Ascent's QSFP56-200G-SR01 QSFP56 Optical Transceiver Module is designed for 200GBASE Ethernet throughput over MPO-12 connectors using OM3 or OM4 multimode fiber (MMF) with a wavelength of 850 nm up to 100 m (70 m for OM3).

The transceiver is compliant with IEEE 802.3cd and SFF-8679 standards. It is suitable for data centers, high performance computing networks, enterprise core and distribution layer applications.

The 200G QSFP56 SR4 Transceiver is designed to transmit and receive serial optical data links up to 53.125 Gb/s data rate (per channel) over multi-mode fiber.

QSFP56-200G-SR01 can be used in Data Centers, High-speed interconnects within and between switches, routers and transport equipment, Server-Server Clusters, Super-computing interconnections and other network applications.

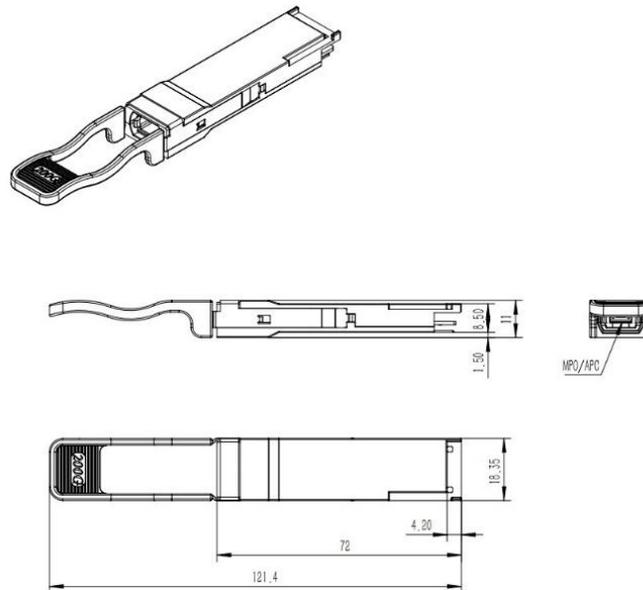
Key Features

- Compliant with 200G-SR4 optical specifications
- Hot-pluggable QSFP form factor
- CMIS4.0 or SFF8636 compliant
- SFF-8679 compliant
- Compliant with IEEE 802.3cd
- Digital diagnostic functions
- 4x53.125 Gb/s electrical interface (200GAUI-4)
- Low power consumption
- Operating case temperature: 0 °C to +70 °C
- Maximum link length of 70 m with MMF OM3, 100 m with MMF OM4
- Single MPO12 connector
- RoHS compliant

Specifications

| Parameter | Symbol | Min. | Max. | Unit | Note |
|-----------------------------------|-------------------|-----------------------|------|-------|------|
| Operating Case Temperature | T _{case} | 0 | - | 70 | |
| Power Supply Voltage | V _{cc} | 3.135 | 3.3 | 3.465 | |
| Signaling Rate, each Lane (Range) | | 26.5625 ppm ± 100 ppm | | GBd | |
| Center Wavelength Range | | 840 | 860 | nm | |
| Average Launch Power, each Lane | | -6.5 | 4 | dBm | |
| Average Receive Power, each Lane | | -8.4 | 4 | dBm | |

Outline Diagram



Ordering Information

| Product Name | Product Description |
|------------------|---|
| QSFP56-200G-SR01 | QSFP56 Plug-in, 200GBASE-SR4 850 nm 100 m optical transceiver, MPO-12 Male, DOM |



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