500-meter transmission distance optical module

The QSFP-40001-DR4 is a 400Gb/s Quad Small Form Factor Pluggable-double density (QSFP-DD) optical module designed for 500m reach over SMF optical communication applications.

The receiver section incorporates PIN photodiodes optimized for high-speed 1310 nm operation across all lanes within a 13 nm wavelength bandwidth. The module ensures a 3 dB guaranteed optical link ...

The receiver section incorporates PIN photodiodes optimized for ...

The 400Gbps QSFP-DD DR4 Optical Transceiver is a high-performance module designed for short-range communication over single-mode fiber (SMF) up to 500 meters.

Features 1.6T high-speed optical module products use 200G/lane silicon photonic chips Both electrical and optical interfaces support 8x200 Gbit/s PAM4 Up to 500m transmission with 1310nm wavelength ...

The 400G QSFP-DR4 optical module uses a 1310nm EML transmitter type, with signals modulated via PAM4 (Pulse Amplitude Modulation). It can transmit over single-mode fiber for ...

The Custom 200GBASE-DR4 qsfp56 module resolves this by injecting four 50Gbps PAM4 signals directly into parallel single-mode fiber pairs. Built within WolonFiber"s class-100k cleanrooms, this ...

Depending on transmission requirements, 400G OSFP modules are available in several optical variants, including DR4, FR4, and LR4. DR4 modules are typically used for short-range single-mode fiber ...

The STC-QSFPDD-DR4-500M optical transceiver provides high-speed 400Gbps Ethernet connectivity over parallel single-mode fiber (SMF) up to 500 meters. It uses four 100G PAM4 optical lanes ...

The optical module has a 4-channel 1310nm VCSEL array and PIN photo detector for reliable performance up to 500 meters. Additionally, it offers stable connections in the data center, 4:1 ...

Normally, the 400G transceiver of QSFP-DD DR4 form-factor supports a max transmission distance of 500 meters on 1310nm center wavelength. The product is designed with ...

500-meter transmission distance optical module

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