

10km optical module reception parameters



Overview

The standard establishes key parameters including the typical operating wavelength of 1310 nm, transmission reach of up to 10 km, and the use of 64b/66b encoding to maintain efficient high-speed data transport. 10GBASE-LR is a 10-gigabit Ethernet optical standard that operates at 1310 nm over single-mode fiber (SMF), supporting link distances of up to 10 km. It is typically implemented using SFP+ transceivers and defined under IEEE 802.10G-LR module has become one of the most widely. The FiberStamp 100GE/OTU4 CFP2 LR4 1310nm 10km Optical Receiver Module is a hot pluggable 100Gbps small-form-factor transceiver module. The transmitter section represent the damage threshold of the module. Designed for demanding 10GBASE-LR applications, this module features a CWDM DFB laser and complies with SFI electrical specifications, ensuring robust signal integrity and maintains consistent optical output despite voltage or. This product is a transceiver module designed for 10km optical communication applications.

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From the actual test situation, the module's key parameters and indexes are in line with the definition of Moduletek's datasheet, and are ...



This functionality provides real-time access to critical operating parameters such as transmit optical power, receive optical power, module temperature, supply voltage, and laser bias current.



Diagnostic Performance Monitoring of module temperature, Supply Voltages, laser bias current, transmit optical power, and receive optical power



This SFP module is based on the 10G Ethernet IEEE 802.3ae standard and is designed to be compliant with the SFF-8431 SFP Multi-source Agreement (MSA). This module is designed for single mode ...



The DFPP-LP-CXX-10 is a high-performance 10G CWDM SFP+ transceiver engineered for optical data transmission and reception over single-mode fiber links up to 10 kilometers. Designed ...



Data rate up to 11.3Gbps 1310nm DFB transmitter, PIN photodetector Low power consumption < 1.0W Distance up to 10km. Specifications compliant with SFF 8472 2-wire interface with integrated Digital ...



Recommended Operating Environment specifies parameters for which the electrical and optical characteristics hold unless otherwise noted.



The receiver takes incoming combined four lanes optical data from line rate of 25.78 Gbps to 27.95 Gbps through an industry standard LC optical connector. The four incoming wavelengths are ...



This product is a transceiver module designed for 10km optical communication applications. The module incorporates one channel optical signal, on 1310nm center wavelength, operating at 50Gbaud data rate.



Operating on the 1310nm wavelength and supporting distances up to 10 kilometers, SFP+ 10G single-mode modules conform to the 10GBASE-LR (Long Reach) standard defined by ...



The FiberStamp 100GE/OTU4 CFP2 LR4 1310nm 10km Optical Receiver Module is a hot pluggable 100Gbps small-form-factor transceiver module is compliant with IEEE802.3ba and CFP MSA.



Enhance your network performance with the 10G SFP+ dual-fiber optical module. This compact transceiver supports bidirectional signal transmission and reception for reliable ...



Functional Characteristics (Optical) The following tables list the performance specifications for the various functional blocks of the integrated optical transceiver module.



From the actual test situation, the module's key parameters and indexes are in line with the definition of Moduletek's datasheet, and are comparable with the performance of similar modules ...

Contact Us

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