

ZTE 033030100476 Datasheet



ZTE 25G 1310nm SM 10km E-temp SFP28 Transceiver Module TR-PY13L-U00

033030100476

This ZTE 033030100476 1310 nm DFB 25Gb/s SFP28 LR transceiver is designed to transmit and receive optical data over single mode optical fiber for link length up to 10km. The module optical connection is duplex LC and shall be compatible with SFP+ 28Gbps and backward compatible with legacy 10G SFP+ pluggable. The SFP28 LR module is a dual directional device with a transmitter and receiver plus a control management interface (2-wire interface) in the same physical package. 2-wire interface is used for serial ID, digital diagnostics and module control function.

The module operates by a single +3.3V power supply. LVCMOS/LVTTL global control signals, such as Module Present, Reset, Interrupt and Low Power Mode, are available with the modules. The SFP28 LR module electrical interface is compliant to OFI CEI MSR-28G-VSR. It has been designed to meet the harshest external operating conditions including temperature, humidity and EMI interference. The module offers very high functionality and feature integration, accessible via a two-wire serial interface.

Features

- Compliant to IEEE802.3by 25GBASE-LR
- Up to 25.78Gb/s data links
- 25G 1310nm DFB transmitter

- 25G PIN photo-detector
- 2-wire interface for management specifications compliant with SFF-8472 digital diagnostic monitoring interface for optical transceivers
- Operating case temperature: -40 to 85°C
- All-metal housing for superior EMI performance
- 25G electrical interface (OIF CEI-28G-VSR)
- Maximum power consumption 1.5W
- Advanced firmware allow customer system encryption information to be stored in transceiver
- RoHS compliant

Applications

- High-speed storage area networks
- Computer cluster cross-connect
- Custom high-speed data pipes
- Inter Rack Connection

Specifications

- Part Number: 033030100476
- MPN: TR-PY13L-U00
- Package: SFP28
- Data Rate: 25.78Gb/s
- Interface: Duplex LC
- Tx: 1310nm DFB
- Pout: -7~2dBm
- Rx: PIN
- Sens_OMA: <-9.5dBm
- Reach: 10km
- Fiber Type: SMF
- Wavelength: 1310nm
- DDM: Yes
- Operating Temperature: -40~85°C

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