

Finisar FTLX1371D3BCL Datasheet



Finisar FTLX1371D3BCL 10GBASE-LRM 220m SFP+ Optical Transceiver

FTLX1371D3BCL

FTLX1371D3BCL 10Gb/s Enhanced Small Form Factor Pluggable SFP+ transceivers are designed for use in 10-Gigabit Ethernet links up to 220m over Multi Mode fiber. They are compliant with SFF-8431, SFF-8432 and IEEE 802.3 aq 10GBASE-LRM. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472. The FTLX1371D3BCL is a “linear module” i.e. it employs a linear receiver. Host board designers using an EDC PHY IC should follow the IC manufacturer’s recommended settings for interoperating the host board EDC PHY with a linear receiver SFP+ module. The optical transceiver is RoHS compliant as described in Application Note AN-2038.

Features

- Hot-pluggable SFP+ footprint
- Supports 10.3Gb/s 10GBASE-LRM bit rate
- Power dissipation < 1W
- RoHS compliant
- Single 3.3V power supply
- Maximum link length of up to 220m
- Uncooled directly modulated Fabry-Perot (FP) laser at 1310 nm
- Receiver linear electrical interface
- Duplex LC connector
- Built-in digital diagnostic functions
- Commercial temperature range: -5°C to 70°C

Applications

- 10GBASE-LRM 10G Ethernet
- Legacy FDDI multimode links

Specifications

- Distance: 220 m
- Data Rate (max): 10.3 Gb/s
- Protocol: 10 Gigabit Ethernet Compliant
- Low End Case Temperature (°C): -5
- High End Case Temperature (°C): 70
- Diagnostics: Digital
- Transmitter: Fabry-Perot Laser
- Receiver: PIN
- Voltage Supply: 3.3
- Connector: LC
- Wavelength: 1310nm

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