

Finisar FTLF1419P1BCL Datasheet



Finisar FTLF1419P1BCL 1000BASE-EX and 2G Fibre Channel (2GFC) 55km SFP Optical Transceiver

FTLF1419P1BCL

FTLF1419P1BCL Small Form Factor Pluggable (SFP) transceivers are compatible with the SFP Multi-Sourcing Agreement (MSA). They simultaneously comply with Gigabit Ethernet as specified in IEEE Std 802.3, and 1x and 2x Fibre Channel as defined in FC-PI 13.0. The optical transceiver is RoHS compliant as described in Application Note AN-2038. Digital diagnostics functions are available via the 2-wire serial bus specified in the SFP MSA.

Features

- Up to 2.125Gb/s bi-directional data links
- Hot-pluggable SFP footprint
- Built-in digital diagnostic functions
- Uncooled 1310nm DFB laser transmitter
- Duplex LC connector
- RoHS compliant
- No Rate Select input required for Fibre Channel 1x/2x Operation
- Up to 55 km on 9/125µm SMF
- Metal enclosure, for lower EMI
- Single 3.3V power supply
- Low power dissipation <700mW typical
- Extended operating temperature range: -10°C to 70°C

Applications

- 1.25Gb/s 1000Base-LX Ethernet
- Dual Rate 1.06 / 2.125 Gb/s Fibre Channel

Specifications

- Distance: 55km
- Data Rate (max): 2.125 Gb/s
- Protocol: Optical Gigabit Ethernet Compliant 1x Fibre Channel Compliant 2x Fibre Channel Compliant Wireless CPRI Compliant
- Low End Case Temperature (°C): -10
- High End Case Temperature (°C): 70
- Diagnostics: Digital
- Transmitter: DFB Laser
- Receiver: PIN
- Voltage Supply: 3.3
- Connector: LC
- Wavelength: 1310nm

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