

# Finisar FTLF1421P1BCL Datasheet



Finisar FTLF1421P1BCL OC-48 IR-1/STM S-16.1 SFP Multi-Rate Optical Transceiver

FTLF1421P1BCL

FTLF1421P1BCL Small Form Factor Pluggable (SFP) optical transceivers are compatible with the SFP Multi-Sourcing Agreement (MSA). They comply with SONET OC-48 IR-1 (SDH STM S-16.1) standards, Gigabit Ethernet as specified in IEEE Std 802.3 and Fibre Channel FC-PI 13.0. They are also compatible with SONET OC-12 and SONET OC-3 standards. Digital diagnostics functions are available via the 2-wire serial bus specified in the SFP MSA. The optical transceiver is RoHS compliant as described in Application Note AN-2038.

## Features

- Up to 2.67Gb/s bi-directional data links
- Hot-pluggable SFP footprint
- Built-in digital diagnostic functions
- Uncooled DFB 1310nm laser transmitter
- Duplex LC connector
- RoHS compliant
- Metal enclosure, for lower EMI
- FEC Support
- Single 3.3V power supply
- Low power dissipation <700mW typical
- Commercial operating temperature range: -10°C to 70°C

## Applications

- SONET OC-48 IR-1 / SDH STM S-16.1
- SONET OC-12 SR / SDH STM I-4
- SONET OC-3 SR / SDH STM I-1
- Gigabit Ethernet / 1x/2x Fibre Channel

## Specifications

- Distance: 15 km
- Data Rate (max): 2.67 Gb/s
- Protocol: Optical Gigabit Ethernet Compliant 1x Fibre Channel Compliant 2x Fibre Channel Compliant SONET OC-3 Compatible SONET OC-12 Compatible SONET OC-48 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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