

# Finisar FTLX8574D3BNL Datasheet



Finisar FTLX8574D3BNL 10GBASE-SR/SW 400m SFP+ Extended Temperature Optical Transceiver

FTLX8574D3BNL

FTLX8574D3BNL Extended Temperature 10Gb/s SFP+ transceivers are designed for use in 10-Gigabit Ethernet links over multimode fiber. They are compliant with SFF-8431, SFF-8432, IEEE 802.3-2012 10GBASE-SR/SW and 10G Fibre Channel 1200-Mx-SN-I. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472. The FTLX8574D3BCL is a “limiting module”, i.e., it employs a limiting 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 limiting receiver SFP+ module. The optical transceiver is RoHS compliant as described in Application Note AN-2038.

## Features

- Hot-pluggable SFP+ footprint
- Supports 9.95 to 10.5 Gb/s bit rates\*
- Power dissipation < 1W
- RoHS compliant
- Single 3.3V power supply
- Maximum link length of 400m on OM4 MMF
- Uncooled 850nm VCSEL laser
- Receiver limiting electrical interface
- Duplex LC connector
- Built-in digital diagnostic functions
- Extended temperature range: -5°C to 85°C

## Applications

- 10GBASE-SR/SW 10G Ethernet
- 1200-Mx-SN-I 10G Fibre Channel

## Specifications

- Distance: 400 m
- Data Rate (max): 10.5 Gb/s
- Protocol: 10x Fibre Channel Compliant 10 Gigabit Ethernet Compliant Wireless CPRI Compliant
- Low End Case Temperature (°C): -5
- High End Case Temperature (°C): 85
- Diagnostics: Digital
- Transmitter: VCSEL
- Receiver: PIN
- Voltage Supply: 3.3
- Connector: LC
- Wavelength: 850nm

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