

# Finisar FTLF8519P3BTL Datasheet



Finisar FTLF8519P3BTL 1000BASE-SX and 2G Fibre Channel (2GFC) 500m Industrial Temperature SFP Optical Transceiver

FTLF8519P3BTL

FTLF8519P3BTL Small Form Factor Pluggable (SFP) optical transceivers are compatible with the Small Form Factor Pluggable Multi-Sourcing Agreement (MSA). They are simultaneously compatible with Gigabit Ethernet as specified in IEEE Std 802.3 and Fibre Channel FC- PI-2 Rev. 5.0. 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 2.125 Gb/s bi-directional data links
- Hot-pluggable SFP footprint
- Built-in digital diagnostic functions
- 850nm Oxide VCSEL laser transmitter
- Duplex LC connector
- RoHS compliant
- Up to 500m on 50/125  $\mu$ m MMF, 300m on 62.5/125  $\mu$ m MMF
- Metal enclosure, for lower EMI
- Single 3.3 V power supply
- <500mW power dissipation
- Industrial operating temperature range: -40°C to 85°C

## Applications

- 1.25 Gb/s 1000Base-SX Ethernet
- Dual Rate 1.063/2.125 Gb/s Fibre Channel
- Wireless – CPRI, OBSAI, LTE

## Specifications

- Distance: 500 m
- 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): -40
- High End Case Temperature (°C): 85
- Diagnostics: Digital
- Transmitter: VCSEL
- Receiver: PIN
- Voltage Supply: 3.3
- Connector: LC
- Wavelength: 850nm Band

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