Finisar FTLF8524P2BNV Datasheet

Finisar FTLF8524P2BNV 4G Fibre Channel (4GFC) and Gigabit Ethernet SFP Rate Select 150m Optical Transceiver

FTLF8524P2BNV

FTLF8524P2BNV Small Form Factor (SFP) transceivers are compatible with the SFP Multi-Sourcing Agreement (MSA). They are compatible with Fibre Channel FC-PI-2 Rev. 7.0. Rate selectable versions are also compatible with Gigabit Ethernet as specified in IEEE Std 802.3. 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 4.25 Gb/s bi-directional data links
- Hot-pluggable SFP footprint
- Built-in digital diagnostic functions
- 850 nm Oxide VCSEL transmitter
- Duplex LC connector
- RoHS compliant
- Up to 500 meter on 50/125 ￿m MMF, 300 meter on 62.5/125 ￿m MMF
- Metal enclosure for lower EMI
- Single 3.3 V power supply
- Extended operating temperature range: -20°C to 85°C

Applications

- Tri-rate 1.063/2.125/4.25 Gb/s Fibre Channel
- 1.25 Gb/s 1000BASE-SX Ethernet (Rate selectable version)
- Wireless – OBSAI, CPRI

Specifications

- Distance: 550 m
- Data Rate (max): 4.25 Gb/s
- Protocol: Optical Gigabit Ethernet Compliant 1x Fibre Channel Compliant 2x Fibre Channel Compliant 4x Fibre Channel Compliant
- Low End Case Temperature (°C): -20
- High End Case Temperature (°C): 85
- Diagnostics: Digital
- Transmitter: VCSEL
- Receiver: PIN
- Voltage Supply: 3.3
- Connector: LC
- Wavelength: 850nm

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