

Finisar FTLF1322P1BTR Datasheet



Finisar FTLF1322P1BTR OC-12 SR-1/STM I-4 or OC-12 IR-1/STM S-4.1 SFP Optical Transceiver

FTLF1322P1BTR

FTLF1322P1BTR Small Form Factor Pluggable (SFP) transceivers are compatible with the SFP Multi-Sourcing Agreement (MSA). They comply with SONET and SDH standards at OC-12 IR-1/STM S-4.1 and OC-12 SR/STM I-4. In addition, they comply with SONET and SDH standards OC-3 IR-1/STM S-1.1 and OC-3 SR/STM I-1, as detailed in Application Note AN-2042. 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 622 Mb/s bi-directional data links
- Hot-pluggable SFP footprint
- Built-in digital diagnostic functions
- Uncooled Fabry-Perot 1310nm laser transmitter
- Duplex LC connector
- RoHS compliant
- Metal enclosure, for lower EMI
- Single 3.3V power supply
- Low power dissipation <700mW typical
- Industrial operating temperature range: -40°C to 85°C

Applications

- SONET OC-12 IR-1 / SDH STM S-4.1
- SONET OC-12 SR / SDH STM I-4
- SONET OC-3 IR-1 / SDH STM S-1.1
- SONET OC-3 SR / SDH STM I-1

Specifications

- Distance: 15km
- Data Rate (max): 622 Mb/s
- Protocol: SONET OC-3 Compliant SONET OC-12 Compliant Wireless CPRI Compliant
- Low End Case Temperature (°C): -40
- High End Case Temperature (°C): 85
- Diagnostics: Digital
- Transmitter: Fabry-Perot Laser
- Receiver: PIN
- Voltage Supply: 3.3
- Connector: LC
- Wavelength: 1310nm

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