

Finisar FTLX1475D3BCV Datasheet



Finisar FTLX1475D3BCV 10G/1G Dual Rate (10GBASE-LR/LW and 1000BASE-LX) 10km 1310nm Single Mode Datacom SFP+ Optical Transceiver

FTLX1475D3BCV

FTLX1475D3BCV 10Gb/s Enhanced Small Form Factor Pluggable SFP+ transceivers are designed for use in 1-Gigabit and 10-Gigabit Ethernet links up to 10km over Single Mode Fiber. They are compliant with SFF-8431, SFF-8432 and IEEE 802.3ae 10GBASE-LR/LW and 10G Fibre Channel 1200-SM-LL-L. This product is for applications specifically designed for 10G SFP+ ports and 1G/10G SFP+ ports and not native 1G SFP ports. Digital diagnostics monitoring is available via a 2-wire serial interface, as specified in SFF-8472. The FTLX1475D3BCV employs a limiting receiver. The optical transceiver is RoHS compliant as described in Application Note AN-2038.

Features

- Hot-pluggable SFP+ footprint
- Supports rate selectable 1.25 Gb/s and 9.95 to 10.5 Gb/s bit rates
- Power dissipation < 1W
- RoHS compliant
- Single 3.3V power supply
- Maximum link length of 10km
- Uncooled 1310nm DFB laser
- Receiver limiting electrical interface
- Duplex LC connector
- Built-in digital diagnostic functions

- Commercial temperature range: -5°C to 70°C

Applications

- 1000BASE-LX 1G Ethernet
- 10GBASE-LR/LW 10G Ethernet

Specifications

- Distance: 10 km
- Data Rate (max): 10.5 Gb/s
- Protocol: Optical Gigabit Ethernet Compliant 10 Gigabit Ethernet Compliant Wireless CPRI Compliant
- Low End Case Temperature (°C): -5
- 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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