

Brocade XBR-000464 Datasheet



Brocade XBR-000464 64G FC SFP-DD SWL Transceiver Module, 1-pack 57-1000505-01

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The Brocade 64G short wavelength (SWL) double-density optical transceiver (SFP DD), part of the Brocade family of optical transceivers, is optimized for Brocade G720 and G730 device or ISL connectivity. Dual SN connectors from a single SFP-DD transceiver allow organizations to connect more servers, storage, or switches in a small footprint. Each transceiver supports two independent connections of 64G Fibre Channel via a two-lane electrical interface.

The Brocade 64G SWL SFP-DD transceiver is hot-swappable and supports high speed serial links over multimode optical fiber at signaling rates up to 57.8Gb/s.

Diagnostic features per SFF-8472, Diagnostic Monitoring Interface for Optical Transceivers, provide real time monitoring of the following:

- Transmitted optical power
- Received optical power
- Laser bias current
- Temperature
- Supply voltage

Features

- Provides two optical connections in a single transceiver to support highdensity SAN solutions.
- Operates over duplex multimode fiber.
- Uses industry-standard SN connectors.
- IEC 60825-1 Class 1/CDRH Class 1 laser, eye-safe.
- RoHS 6 compliant.

Specifications

- Performance
 - Fibre Channel: 57.8Gb/s, 28.05Gb/s, and 14.025Gb/s line speed, full duplex;
- Media
 - Hot-pluggable, industry-standard double-density optical transceiver (SFP-DD), short wavelength (SWL), SN connector
- Operating Parameters
 - Transmit (Tx):
 - Wavelength: 840 nm to 860 nm
 - Spectral width: 0.6 nm
 - Average power: \approx 7.5 dBm to 4 dBm
 - RIN: \approx 128 dB/Hz max OMA: \approx 4.5 dBm min (355 μ W)
 - Receive (Rx):
 - Wavelength: 840 nm to 860 nm
 - Average power: -9.4 dBm to 4 dBm max
 - Optical return loss: 12 dB min
 - Unstressed sensitivity: \approx 7 dBm (200 μ W)
 - SRS OMA: \approx 2.4 dBm (575 μ W)
- Size
 - Width: 13.7 mm (0.54 inches)
 - Height: 8.6 mm (0.34 inches)
 - Depth: 79.19 mm (3.12 inches)
- Storage Temperature: \approx 40°C to +85°C (\approx 40°F to +185°F)
- Power Dissipation: 3.2W

Ordering Part Number

- XBR-000464 (1-pack)

- XBR-000465 (8-pack)

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