

Brocade XBR-000469 Datasheet



Brocade XBR-000469 64G FC SFP+ LWL 10km Transceiver Module, 8-pack 57-1000496-01

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The Brocade® 64G long wavelength (LWL) SFP+, part of the Brocade family of optical transceivers, is optimized for Brocade 64G director and switch products. Together, these optical transceivers provide state-of-the-art performance, while extending data center connectivity (up to) a distance of 10 km. This optical transceiver operates over single-mode fiber and uses an industry-standard LC connector.

Diagnostic features of the Brocade 64G LWL SFP+ optical transceiver comply with SFF-8472 Rev. 12.3, providing real-time monitoring of the following:

- Transmitted optical power
- Received optical power
- Laser bias current
- Temperature
- Supply voltage
- Power-on hours

Features

- Provides extended Fibre Channel connectivity over long distance.
- Operates over duplex single-mode fiber.

- Uses an industry-standard singlemode LC connector.
- Supports a link length of up to 10 km over single-mode fiber.
- 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 small form-factor pluggable (SFP+), LC connector; LWL 10 km. This transceiver is targeted for long-reach applications with high-power transmitters. Attenuation of ~6 dB is needed for loopback testing.
- Operating Parameters
 - Transmit (Tx):
 - Wavelength: 1304.5 nm to 1317.5 nm
 - Average power: -4.5 dBm to +4.2 dBm
 - RIN: ≤ 134 dB/Hz max
 - OMA: -1.5 dBm min, +4 dBm max
 - Receive (Rx):
 - Average power: +4.2 dBm max
 - Optical return loss: -26 dB max
 - Unstressed sensitivity: -8.9 dBm min
- Size
 - Width: 14.80 mm (0.58 inches)
 - Height: 12.21 mm (0.48 inches)
 - Depth: 56.70 mm (2.23 inches)
- Storage Temperature: $\leq 40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$ ($\leq 40^{\circ}\text{F}$ to $+185^{\circ}\text{F}$)
- Power Dissipation: 2.0W

Ordering Part Number

- XBR-000468 (1-pack)
- XBR-000469 (8-pack)

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