

Brocade XBR-000479 Datasheet



Brocade XBR-000479 32G FC SFP+ ELWL 25km Transceiver Module, 1-pack 57-1000498-01

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Brocade 32Gb/s ELWL FC SFP+ Optimized, Certified Optical Transceivers for Extending Service Provider and Data Center Networks.

The Brocade 32 Gb/s Long Wavelength (ELWL) 25 km SFP+, part of the Brocade family of small form-factor pluggable (SFP) optical transceivers, is optimized to fully leverage Brocade 32 Gb/s switch and director products. Brocade ELWL SFPs extend native Fibre Channel connectivity over distance, enabling high-performance disaster recovery and business continuity solutions.

The Brocade ELWL SFPs are the standard choice for use in mainframe environments, connecting to IBM System z channels and FICON devices over distance for business continuity and disaster recovery. Together with Brocade switching products, they provide state-of-the-art performance, helping IT organizations achieve new levels of infrastructure consolidation while expanding the capabilities of their applications and services.

End-to-End Compatibility and Reliability

The Brocade 32 Gb/s ELWL 25 km SFP+ modules support highly reliable operations in data center fabrics and are optimized for Brocade 32 Gb/s switching platforms. They undergo rigorous qualification and certification testing that results in an end-to-end solution that is easier to maintain— helping improve the availability of data center fabrics

supporting missioncritical applications.

Key Features

- Hot-swappable, low-voltage (3.3V) digital diagnostic optical transceivers that support highspeed serial links over single-mode optical fiber at signaling rates up to 28.05 Gb/s
- 1310 nm DFB laser
- FC-PI-6 compliance for 28.05/14.025/8.5 Gb/s operation

Ordering Part Number

- XBR-000278 (1-pack)

Regulatory and Standards Compliance

- North America: UL/CSA 60950, CDRH Class 1
- European Union: EN 60950, EN 60825 Class 1

Caution

- Do not look through the optical ports, as it is a potential eye hazard.
- SFP is an ESD sensitivity Class 1 device. It should be handled accordingly

Specifications

- Performance: Fibre Channel: 8.5 Gb/s, 14.025 Gb/s, and 28.05 Gb/s line speed, full duplex; auto-sensing of 8 Gb/s, 14 Gb/s, and 28 Gb/s port speeds
- Media: Hot-pluggable, industry-standard SFP+, LC connector; ELWL 25 km; minimum distance of 10 km required
- Operating Parameters
 - Transmit (Tx):
 - Wavelength: 1295 nm to 1310 nm
 - Spectral width: 1.0 nm
 - Average power: +2.0 dBm to +7.0 dBm

- RIN: ≤ 130 dB/Hz max.
- OMA: 1.585 mW min.
- Receive (Rx):
 - Average power: 2 dBm max.
 - Optical return loss: 26 dB min.
 - Unstressed sensitivity: 41 μ W, ≤ 13.9 dBm
- Size
 - Width: 14.81 mm (0.58 inches)
 - Height: 11.90 mm (0.47 inches)
 - Depth: 56.50 mm (2.22 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: 1.5W max

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