

Product Brief

Highlights

- Provides Ethernet connectivity over short distance
- Operates over multi-mode fiber
- Uses an industry-standard LC connector
- IEC 60825-1 Class 1/CDRH Class 1 laser, eye-safe
- RoHS 6 compliant with 7c-l exemption
- PC/UPC compatible

Ordering Part Number

- XBR-25G-SR-01 (1-pack)

Brocade[®] 25GbE SR SFP+

Optimized, Certified Ethernet Optical Transceiver for Extending Data Center Fabrics

Overview

The Brocade[®] 25GbE short reach (SR) SFP+ transceiver, part of the Brocade family of optical transceivers, is optimized for Brocade products with Ethernet connectivity. This optical transceiver provides state-of-the-art performance, operates over multi-mode fiber, and uses an industry-standard LC connector.

High speed electrical and optical specifications of the Brocade 25GbE SR SFP+ transceiver comply with IEEE 802.3 for 25GBASE-SR, providing real-time monitoring of the following:

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

End-to-End Compatibility and Reliability

The Brocade 25GbE SR SFP+ optical transceiver undergo rigorous qualification and certification testing to guarantee compatibility and ensure highly reliable connectivity in a storage network fabric.

Family of Optical Transceivers

Broadcom offers a comprehensive family of reliable optical transceivers to provide connectivity to Brocade director and switch products.

For additional information, contact a Brocade representative or visit www.broadcom.com/products/fibre-channel-networking/transceiver-modules.

Brocade 25GbE SR SFP+ Specifications

System	
Performance	Ethernet: 25Gb/s and 10Gb/s line speed; serial line rate of 25GbE and 10GbE
Media	Hot-pluggable, industry-standard SFP+, LC connector. This transceiver is targeted for short-reach applications. Maximum link length supported for OM4/OM5 fiber is 100m.
Operating parameters	Transmit (Tx): - Wavelength: 840 nm to 860 nm - Average power: -8.4 dBm to +2.4 dBm - RIN: -128 dB/Hz max. - Optical return loss: 12 dB min. - OMA: -6.4 dBm to +3.0 dBm Receive (Rx): - Average power: +3.0 dBm max. - Optical return loss: -12dB max. - Unstressed sensitivity: 93 μW, -10.3 dBm
Mechanical	
Size	Width: 13.46 mm (0.53 inches) Height: 12.4 mm (0.48 inches) Depth: 56.49 mm (2.22 inches)
Environmental	
Storage temperature	-40°C to +85°C (-40°F to +185°F)
Power	
Power consumption	1.0W
Power	
North America	UL/CSA 62368, CDRH Class 1
European Union	EN 62368, EN 60825 Class 1

Caution

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