

SFP-MR2.5-BX-45/54

155 Mb/s - 2.5 Gb/s Multirate Single-Fiber SFP

DESCRIPTION

The SFP-MR2.5-BX-45/54 transceivers are fully compliant with the latest industrial SFP Multi-Source Agreement (MSA) and IEEE 802.3ah for Gigabit Ethernet 1000Base-BX. They support data rate from 100 Mb/s up to 2.5 Gb/s and can be used in Ethernet, ATM, SONET or FTTx applications. The transceivers operate bi-directionally on single fiber at wavelengths of 1490 nm and 1550 nm for maximum reach.

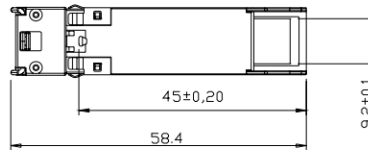
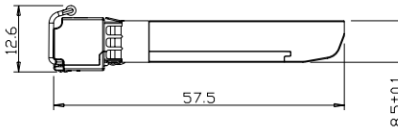
The modules are hot pluggable and support up to 80 km transmission on SM fiber.

APPLICATIONS

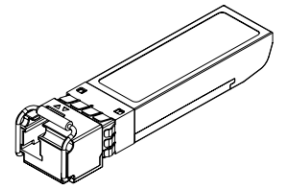
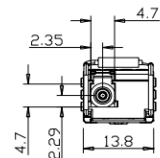
- Single fiber operations 1490/1550
- Fast Ethernet
- Gigabit Ethernet
- STM-1/OC-3
- STM-4/OC-12
- STM-16/OC-48
- FTTx

FEATURES

- Up to 80 km transmission on SM fiber
- 1490nm/1550nm operation
- Compliant to SFP MSA and SFF-8472
- Digital Diagnostics Monitoring
- Hot-Pluggable SFP footprint
- Optical LC interface for bi-directional operation
- Operating temperature 0°C to 70°C
- RoHS compliance



Units in mm



LASER SAFETY

This singlemode transceiver is a Class 1 laser product. It complies with IEC-60825 and FDA 21 CFR 1040.10 and 1040.11. The transceiver must be operated within the specified temperature and voltage limits. The optical ports of the module need to be terminated with an optical connector or a dust plug.

OPTICAL PARAMETERS

Part no.	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP-MR2.5-BX80D-45	1490Tx/1550Rx	-1 to +3.5	-28 to -9	27
SFP-MR2.5-BX80D-54	1550Tx/1490Rx	-1 to +3.5	-28 to -9	27

ORDERING INFORMATION

Part no.	Description
SFP-MR2.5-BX80D-45	SFP BiDi, Multirate 100Mbps-2.5Gbps, DDM, 80km, Tx/Rx=1490/1550nm, 27dB, SM
SFP-MR2.5-BX80D-54	SFP BiDi, Multirate 100Mbps-2.5Gbps, DDM, 80km, Tx/Rx=1550/1490nm, 27dB, SM