

SFP-MR155-BX

100 Mb/s Fast Ethernet bi-directional SFP transceiver family

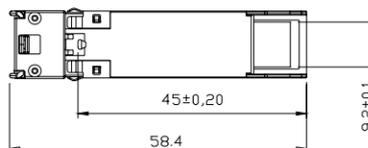
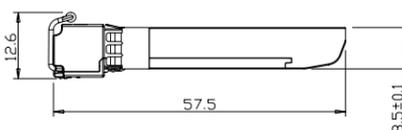
DESCRIPTION

The SFP-MR155 are fully compliant with the latest industrial SFP Multi-source agreement (MSA) and ITU-T G.985 (class S). They support data rates in a wide range of 100 ~ 155.52 Mbps and can be used in datacom or FTTx applications.

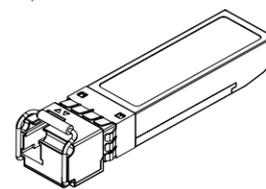
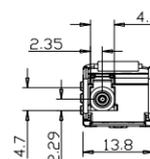
The transceivers operate bidirectionally for single fiber operation; are hot pluggable and can transmit over up to 40 km of SM fiber.

APPLICATIONS

- Single fiber operations 1310/1550
- Fast Ethernet
- STM-1/OC-3
- FTTx



Units in mm



FEATURES

- Up to 20 km or 40 km transmission on SM fiber
- 1310nm/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

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-BX20D-35	1310Tx/1550Rx	-15 to -7	-28 to -8	13
SFP-MR2.5-BX20D-53	1550Tx/1310Rx	-15 to -7	-28 to -8	13
SFP-MR155-BX40-35	1310Tx/1550Rx	-7 to -2	-32 to -8	25
SFP-MR155-BX40-53	1550Tx/1310Rx	-7 to -2	-32 to -8	25

ORDERING INFORMATION

Part no.	Description
SFP-FE-100BX-U-10	SFP BiDi, 100/155Mbps, SM, 10km,TX/RX=1310/1550nm, 13 dB, LC
SFP-FE-100BX-D-10	SFP BiDi, 100/155Mbps, SM, 10km,TX/RX=1550/1310nm, 13 dB, LC
SFP-MR2.5-BX40D-35	SFP BiDi, Multirate 100Mbps-2.5Gbps, DDM, 40km, Tx/Rx=1310/1550nm, 25dB, SM
SFP-MR2.5-BX40D-53	SFP BiDi, Multirate 100Mbps-2.5Gbps, DDM, 40km, Tx/Rx=1550/1310nm, 25dB, SM