

SFP-FE-BX2D-35

100 Mb/s bi-directional 1310/1550 SFP transceivers

DESCRIPTION

The SFP-FE-BX2D-35 and SFP-FE-BX2D-53 transceivers are fully compliant with the latest industrial SFP Multi-Source Agreement (MSA) and IEEE 802.3ah for Fast Ethernet 100Base-BX. They support data rate at 155 Mbps and are suitable for Fast Ethernet applications. The transceivers operate bi-directionally on single fiber at wavelengths of 1310 nm and 1550 nm. The modules are hot pluggable and can operate up to 2km on MM fiber.

APPLICATIONS

- Fast Ethernet
- FTTx

FEATURES

- Up to 2 km transmission on MM fiber
- 1310nm/1550nm operation
- Compliant to SFP MSA and SFF-8472
- Digital Diagnostics Monitoring
- Hot-Pluggable SFP footprint
- Simplex LC interface for bi-directional operation
- Commercial Operating Temperature 0°C to 70°C



LASER SAFETY

This 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.	SM/MM Fiber	Wavelength [nm] TX/RX	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP-FE-BX2D-35	MM	1310/1550	-15 to -8	-25 to -8	10
SFP-FE-BX2D-53	MM	1550/1310	-15 to -8	-25 to -8	10

ORDERING INFORMATION

Part no.	Description
SFP-FE-BX2D-35	SFP BIDI, 100/155Mbps, MM, 2km, TX/RX=1310/1550nm, 10 dB, LC
SFP-FE-BX2D-53	SFP BIDI, 100/155Mbps, MM, 2km, TX/RX=1550/1310nm, 10 dB, LC