

SFP-GE-BX20SC-35

1.25 Gb/s bi-directional 1310/1550 SFP transceiver family

DESCRIPTION

The SFP-GE-BX20SC-35 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 at 1.25 Gbps and are suitable for Gigabit Ethernet applications. The transceivers operate bi-directionally on single fiber at wavelengths of 1310 nm and 1550 nm. The connector interface is simplex SC for bi-directional operation.

APPLICATIONS

- Gigabit Ethernet
- FTTx

FEATURES

- Up to 20 km transmission on SM fiber
- 1310nm/1550nm operation
- Compliant to SFP MSA and SFF-8472
- Serial ID functionality
- Digital Diagnostics Monitoring
- Hot-Pluggable SFP footprint
- Simplex SC interface for bi-directional operation
- Operating temperature 0°C to 70°C
- Operating temperature for RGD version: -40°C to +85°C



OPTICAL PARAMETERS

Part no.	SM/MM Fiber	Wavelength [nm] TX/RX	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP-GE-BX20SC-35	SM	1310/1550	-9 to -3	-23 to -3	14
SFP-GE-BX20SC-53	SM	1550/1310	-9 to -3	-23 to -3	14
SFP-GE-20SC-35-RGD	SM	1310/1550	-9 to -3	-23 to -3	14
SFP-GE-20SC-53-RGD	SM	1550/1310	-9 to -3	-23 to -3	14

ORDERING INFORMATION

Part no.	Description
SFP-GE-BX20SC-35	SFP BiDi, 1.25 Gbps GigE, DDM, SM, 20km, TX/RX=1310/1550nm, 14dB, SC
SFP-GE-BX20SC-53	SFP BiDi, 1.25 Gbps GigE, DDM, SM, 20km, TX/RX=1550/1310nm, 14dB, SC
SFP-GE-20SC-35-RGD	SFP BiDi, 1.25Gbps GigE, DDM, SM, 20km, I-temp, TX1310/RX1550nm, 14dB, SC
SFP-GE-20SC-53-RGD	SFP BiDi, 1.25Gbps GigE, DDM, SM, 20km, I-temp, TX1310/RX1550nm, 14dB, SC