SFP56 SR

50G Ethernet SR Transceiver

DESCRIPTION

The SFP56 SR transceiver is a short range 50 Gbit/s pluggable optical module for data communications such as 50GBASE Ethernet.

The module is fully compliant with all SFP56 related MSA standards and Digital Diagnostic functions are available through an I2C interface. SFP56-50G-SR complies with IEEE 802.3 and 50Gbase-SR.

APPLICATIONS

- 50GBASE-SR
- Data Center

FEATURES

- Up to 100 m transmission on OM4 multimode fiber
- Hot-Pluggable SFP footprint
- LC Optical interface
- SFP56 MSA compatible
- Digital Diagnostics Monitoring interface
- Single 3.3 V power supply
- Power dissipation < 1.5 W
- RoHS-6 compliant (lead-free)
- Case 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]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP56-50G-SR	MM	850 nm	-4.5 to 3	-6.5 to 4	2

ORDERING INFORMATION

Part no.	Description
SFP56-50G-SR	SFP56, 50GBASE-SR, DDM, 100m, 850nm, 2dB, MM