

SFP-10G-MR80-DT-NP

10G Tunable SFP+ Transceiver, C-band, Negative Chirp, 80km Reach

DESCRIPTION

This Fiberworks 10 Gigabit Small Form Factor Pluggable (SFP+) transceiver is compliant with the current SFP Multi-Source Agreement (MSA) Specification, and simultaneously comply with 10 Gigabit Ethernet 10GBASE-ZR/ZW, STM-64 and 10G Fibre Channel, both with and without FEC.

The transceiver consists of two sections: The transmitter section incorporates a c-band tunable negative-chirp laser and both wavelength and frequency tuning modes are supported in accordance with SFF-8690. The receiver section consists of an APD receiver with a limiting amplifier. For optimum system performance in noise loaded applications, support is provided for external control of the receiver decision threshold.

APPLICATIONS

- 10Gb/s Gigabit Ethernet 10GBASE-ER/EW
- 10G Fibre Channel
- SDH STM-64
- Dispersion limited, high OSNR Metro

FEATURES

- Supports 80km link distances
- Full C-band tunable, 96 channel, 50GHz spacing
- Negative chirp transmitter with ILMZ (Integrated Laser Mach Zehnder) TOSA
- Supports 9.95Gb/s to 11.35 Gb/s bit rates
- Power supply: +3.3 V
- Low power consumption <1.5 W
- LC connector full duplex transmission mode
- SFF-8472 Digital Diagnostic Function
- RoHS-6 compliant



LASER SAFETY

This singlemode transceiver is a Class 1 laser product. It complies with IEC-60825-1 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.

ORDERING INFORMATION

Part no.	Description
SFP-10G-MR80-DT-NC	SFP+, 9.95 - 11.35 Gbps, 80 km, negative chirp , Tunable DWDM, 50 GHz ITU, 23 dB, SM

OPTICAL PARAMETERS

Part no.	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP-MR80D-NC-DTUN	1528.77 - 1566.72	-1 to +3	-7 to -24 (BER < 10 ⁻¹² , OSNR > 35 dB)	23