XFP-MR80D-NC-DTUN
10G Tunable XFP Transceiver, C-band, Negative Chirp, 80km Reach

DESCRIPTION

This Fiberworks 10 Gigabit Small Form Factor Pluggable (XFP) transceiver is compliant with the current XFP 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 with ±2.5GHz stability and both wavelength and frequency tuning modes are supported in accordance with SFF-8477. The receiver section consists of an APD receiver with linear amplifier and CDR. For optimum system performance in noise loaded applications, support is provided for external control of the receiver decision threshold.

APPLICATIONS

- 10GBASE-ZR/ZW 10G Ethernet (with or w/o FEC)
- 1200-SM-LL-L 10G Fiber Channel (with or w/o FEC)
- SDH STM-64
- Dispersion limited, high OSNR Metro

FEATURES

- XFP MSA INF 8077i Rev 4.5 compliant
- Full C-band tunable, 96 channel, 50GHz spacing
- Negative chirp transmitter
- APD receiver with adjustable RxDTV
- Supports 9.95Gb/s to 11.35 Gb/s bit rates
- Power supply: +5.0 V, +3.3 V, +1.8 V
- Max 3.5 W power consumption
- 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
XFP-MR80D-NC-DTUN	XFP, 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]
XFP-MR80D-NC-DTUN	1528.77 - 1566.72	-1 to +3	-5 to -24 (BER < 10^{-12}, OSNR > 35 dB)	8 - 23

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