

SFP-10G-MR80-DT-MC

10G Tunable SFP+ Transceiver, C-band, 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 MZM laser and both wavelength and frequency tuning modes are supported in accordance with SFF-8690. The receiver section consists of an APD receiver.

APPLICATIONS

- Supports 80km link distances
- 10Gb/s Gigabit Ethernet 10GBASE-ER/EW
- 10G Fibre Channel
- OTU2
- Unamplified DWDM links

FEATURES

- ITU-T C-band 50 GHz spacing Tunable DWDM SFP+ Transceiver (191.35 - 196.1 THz)
- Data rate 9.95- 11.3 Gbit/s
- Support 80 km link distances
- MZM transmitter
- APD receiver
- Low power consumption: < 1.8 W
- Positive power supply lines: 3.3 V
- Operating case temperature range: 0 to 70 °C
- RoHS 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-MC	SFP+, 9.9-11.3G, 80km, Tunable, DWDM 50GHz ITU, 23dB, SM

OPTICAL PARAMETERS

Part no.	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP-10G-MR80-DT-MC	1528.77 - 1566.72	-1 to +3	-7 to -24	23