SO-XFP-E-OC192-IR2-Dxxxx

10 Gb/s XFP DWDM Transceiver for SDH/SONET and 40 km transmission

INTRODUCTION

The SO-XFP-E-OC192-IR2-Dxxxx is an optical transceiver module for high-speed, 10Gbit/s data transmission applications. The module provides convenient and flexible optical interfaces for SONET / SDH, 10 GbE and 10 Gb/s Fibre Channel systems operating with or without FEC. It meets or exceeds the applicable ITU-T G.691, ITU-T G.709, Telcordia GR-253 and XFP MSA standards. Designed for 40 km transmission distance the transceiver module comprises a transmitter based on a cooled DWDM IML laser, a receiver with a PIN photodiode. The transceiver operates within a wide temperature range of 0°C to +70°C and offers optimum heat dissipation and excellent electromagnetic shielding.

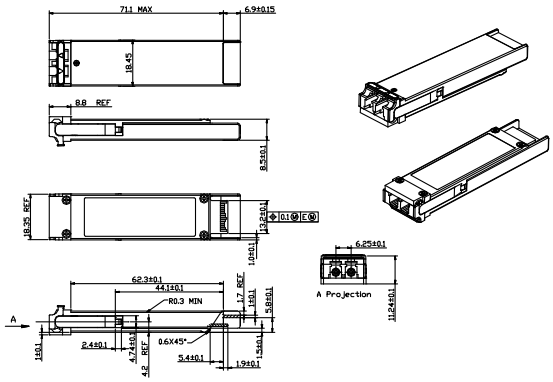
The transceiver is fully compliant to the XFP MSA Rev. 4.5.

APPLICATIONS

- IEEE 802.3ae 10GBASE-LR 10.3125 Gb/s
- 10GFC Rev.4.0 1200-SM-LL-L 10.5128 Gb/s
- SDH/SONET ITU-T G.691, ITU-T G.709

FEATURES

- Compatible with XFP MSA Rev. 4.5
- Compliant to IEEE 802.3ae 10GBASE-LR at 10.3125 Gbit/s
- Conforms with Fibre Channel 1200-SM-LL-L at 10.51875 Gbit/s
- Compliant to SDH/SONET ITU-T G.691, ITU-T G.709
- Up to 40 km transmission on 9/125 µm SMF G.652
- Hot pluggable 30 pin connector
- DWDM IML laser
- Duplex LC-connector interface
- Compliant with the EU RoHS 6 Environmental Requirements



Specification subject to change without notice.

LASER SAFETY

This optical transceiver is a Class 1M 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 with a dust plug.

Ordering Information:

Part no:	Description/Application
SO-XFP-E-OC192-IR2-Dxxxx	XFP, S-64.2b, 9.5-10.7 Gbps, DWDM, 13 dB, 40 km

Optical Parameters:

Part no.\Parameter	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SO-XFP-E-OC192-IR2-Dxxxx	DWDM	-1.0 to +2.0	-14 to -1.0	13

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