

OvisLink OV1000

Pluggable Optics (SFP 1310/1550nm 10KM LC Transceiver)



Introduction

The OV1000 SFP transceiver is an high performance, cost effective module supporting 1.25Gbps and 10km transmission distance with SMF(9/125μm).

The OV1000 consists of two sections: a 1310nm FP or a 1550nm DFB laser transmitter, a PIN photodiode integrated with a trans-impedance amplifier (TIA). It satisfies class1 laser safety requirements.

The OV1000 is compatible with SFP Multi-Source Agreement (MSA) and SFF-8472. For further information, please refer to SFP MSA.

Features
Up to 1.25Gbps data rate
Single LC receptacle optical interface compliant
Single +3.3V power supply
DDM function implemented, Internal calibration
Hot-pluggable
Receiver Loss of Signal Output
AC coupling of PECL signals
Serial ID module on MOD(0-2)
International Class 1 laser safety certified
Transmitter disable input
RoHS Compliance
Operating temperature range
Commercial: 0°C ~ 70°C
Industrial : -40°C ~85°C
Applications
Gigabit Ethernet
Gigabit Fiber Channel
Switch to switch interface
Standards
Compliant with SFP MSA (INF-8074i)
Compliant with IEEE802.3z Gigabit Ethernet
SFF-8472 Rev 10.2
ITUT-G.691 & ITU-T G.959.1