

SFP28 O-Band DWDM

25G Ethernet Transceiver

DESCRIPTION

The SFP28 O-Band DWDM transceiver is a 25 Gbit/s pluggable module for 25GBASE Ethernet bi-directional serial optical data communications. The transceiver is available in DWDM wavelengths in O-band.

The module is fully compliant with SFP28 related MSA standards described in SFF-8402 and Digital Diagnostic functions are available through an I2C interface. SFP28 O-Band DWDM complies with IEEE 802.3 and 25Gbase Ethernet.

APPLICATIONS

- 25GBASE

FEATURES

- Up to 40 km transmission on singlemode fiber
- Hot-Pluggable SFP28 footprint
- Duplex LC Optical interface
- SFP28 MSA compatible
- Digital Diagnostics Monitoring interface
- Single 3.3 V power supply
- Power dissipation < 2.5 W
- RoHS-6 compliant (lead-free)
- Case operating temperature: 0°C to 70°C



LASER SAFETY

This transceiver is a Class 1 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 a dust plug.

OPTICAL PARAMETERS

Part no.	SM/MM Fiber	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP28-L40-DOxxx	SM	O-Band	0 to 5.5	-20 to -5	20

ORDERING INFORMATION

Part no.	Description
SFP28-L40-DOxxx	SFP28, 25GBASE, O-Band DWDM, 40km, 20dB, SM

-DO314 = DWDM 1295.56 nm
 -DO312 = DWDM 1296.68 nm
 -DO310 = DWDM 1297.80 nm
 -DO308 = DWDM 1298.93 nm
 -DO306 = DWDM 1300.05 nm
 -DO304 = DWDM 1301.18 nm

-DO302 = DWDM 1302.31 nm
 -DO300 = DWDM 1303.45 nm
 -DO298 = DWDM 1304.58 nm
 -DO296 = DWDM 1305.72 nm
 -DO294 = DWDM 1306.85 nm
 -DO292 = DWDM 1308.00 nm

-DO290 = DWDM 1309.14 nm
 -DO288 = DWDM 1310.28 nm
 -DO286 = DWDM 1311.43 nm
 -DO284 = DWDM 1312.58 nm