XFP-ER-Cxx

10Gbps XFP CWDM Transceiver

DESCRIPTION

The XFP ER CWDM transceiver is a small form factor pluggable module for bi-directional serial optical data communications such as 10GBASE Ethernet. The modules are fully compliant to the XFP MSA and are hot pluggable. Digital diagnostic functions are available via an I2C serial bus.

CWDM modules operate at nominal Coarse Wavelength Division Multiplexing (CWDM) wavelengths. Eight center wavelengths are available from 1471 nm to 1611 nm with each step being 20 nm. The CWDM characteristics are fully compliant to the wavelength parameters specified in ITU standards G.694.2 and G.695

APPLICATIONS

- 10GBASE-ER
- 10GFC
- CWDM Systems

FEATURES

- Up to 40 km transmission on single mode fiber
- Hot-Pluggable SFP footprint
- Duplex LC interface for fiber pair operation
- XFP MSA compatible
- CWDM wavelengths (λ): 1471 nm to 1611 nm
- Digital Diagnostic Function
- Operating Case Temperature: Standard: 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.	Fiber type	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
XFP-ER-Cxx	SM	CWDM	-1 to 4	-16 to 0	15

Part no.	Description
XFP-ER-Cxx	XFP, 10G Ethernet, CWDM, SM, 15dB, 40km

C47 = CWDM 1471 nm
C49 = CWDM 1491 nm
C51 = CWDM 1511 nm
C53 = CWDM 1531 nm
C55 = CWDM 1551 nm
C57 = CWDM 1571 nm
C59 = CWDM 1591 nm
C61 = CWDM 1611 nm