

SFP-4GFC-80D-Dxxxx

4G/2G/1G Fibre Channel DWDM SFP

DESCRIPTION

The SFP-4GFC-80D-Dxxxx transceivers are small form factor pluggable modules for bi-directional serial optical data communications such as 4x/2x/1x Fibre Channel and 1000BASE Ethernet. The modules are hot pluggable and digital diagnostic functions are available via an I2C serial bus specified in the SFP MSA SFF-8472.

The modules meet the requirements of the IEEE 802.3 Gigabit Ethernet standard and ANSI Fibre Channel specifications, and are suitable for interconnections in Gigabit Ethernet and Fibre Channel environments. The SFP-4GFC-80D-Dxxxx operates over 80 km of standard singlemode fiber.

DWDM modules operate at nominal Dense Wavelength Division Multiplexing (DWDM) wavelengths. 45 wavelengths are available from 1528.77 nm– 1563.23 nm in a 100 GHz (~0.8 nm) channel spacing. The DWDM characteristics are fully compliant to the wavelength parameters specified in ITU standards G.692 and G.694.1

APPLICATIONS

- 4.25 Gb/s, 2,125 Gb/s & 1.0625 Gb/s Fibre Channel
- Gigabit Ethernet
- DWDM systems

FEATURES

- Up to 80 km (29 dB) transmission at DWDM wavelengths
- 45 DWDM lambdas (λ): 1528.77 nm– 1563.23 nm
- Hot-Pluggable SFP+ footprint LC Optical Transceiver
- Duplex LC receptacle
- Small Form-Factor Pluggable (SFP) MSA compatible
- SFF-8472 Digital Diagnostic Function
- Fully compliant to ITU G.692 & G.694.1
- RoHS compliance
- Operating Case 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]
SFP-4GFC-80D-Dxxxx	SM	DWDM	0 to 5	-24 to -7	24

ORDERING INFORMATION

Part no.	Description
SFP-4GFC-80D-Dxxxx*	SFP, 4/2/1G Fibre Channel DWDM, SM, DDM, 24dB, 80km

* xxxx = 9170 ~ 9610:

1563.23 nm= 191.70 THz = 9170
 1528.77 nm = 196.10 THz = 9610