

SO-SFP-4GFC-L80D-Dxxxx

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

INTRODUCTION

The SO-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 SO-SFP-4GFC-80D-Dxxxx operates over 80 km of standard singlemode fiber.

DWDM modules operate at nominal Dense Wavelength Division Multiplexing (DWDM) wavelengths. 80 wavelengths are available from 1528.77 nm – 1606.61 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
- 1000BASE Ethernet

FEATURES

- Up to 80 km transmission at DWDM wavelengths
- 80 DWDM lambdas (λ): 1528.77 nm – 1606.61 nm
- Link budget with ADP receiver: 26 dB @ 4.25 Gbps
- Hot-Pluggable SFP footprint LC Optical Transceiver
- Small Form-Factor Pluggable (SFP) MSA compatible
- SFF-8472 Digital Diagnostic Function
- Fully compliant to ITU G.692 & G.694.1
- RoHS compliance



LASER SAFETY

This singlemode 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.

Specification subject to change without notice.

Ordering Information:

Part no:	Description/Application
SO-SFP-4GFC-80D-Dxxxx*	SFP, 4/2/1 Gb FC/FICON, DWDM, SM, DDM, 24dB, 80km

** xxxx = 9610 ~ 8660:

1606.61 nm = 186.60 THz = 8660

1528.77 nm = 196.10 THz = 9610

Optical Parameters:

Part no./Parameter	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SO-SFP-4GFC-80D-Dxxxx	DWDM	+2 to +4	-24 @ 4.25 Gbps	26
			-28 @ 2.125 Gbps	30
			-28 @ 1.0625 Gbps	30

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