SFP-8GFC-DWDM

8G SFP+ 100Ghz C-band Fibre Channel DWDM

DESCRIPTION

The Fibre Channel DWDM SFP+ series single mode transceivers are small form factor pluggable modules for bi-directional serial optical data communications. The modules are compliant to the SFP+ MSA and are hot pluggable. Digital diagnostic functions are available via an I2C serial bus specified in the SFP MSA SFF-8472. These modules are made for 1G/2G/4G/8G Fibre Channel and utilize Clock and Data Recovery (CDR) in order to provide the best possible performance.

The transceivers are available with wavelengths from 1528,77 nm (196,1 Thz) to 1563,86 nm (191,7 Thz) with 100 Ghz increments. Versions for 40 and 80 km transmission are available.

The DWDM SFP+ series are compliant with SFP+ Multi-Source Agreement (MSA) specification SFF-8431.

APPLICATIONS

- 1G / 2G / 4G / 8G Fibre Channel
- DWDM Systems

FIBERWORKS

FEATURES

- Up to 80 km transmission
- Clock and Data Recovery (CDR)
- Hot-Pluggable SFP footprint
- Duplex LC interface for fiber pair operation
- Small Form-Factor Pluggable (SFP) MSA compatible
- 45 DWDM wavelengths (λ): 1528,77 nm to 1563,86 nm
- SFF-8472 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]
SFP-8GFC-40D-Dxxxx	SM	DWDM C-band	-1 to 3	-16 to -1	15
SFP-8GFC-80D-Dxxxx	SM	DWDM C-band	0 to 4	-23 to -7	23

ORDERING INFORMATION

Part no.	Description
SFP-8GFC-40D-Dxxxx	SFP+, 8/4/2/1G Fibre Channel, CDR, 40km, DWDM 100GHz C-band, 15dB, DDM, SM
SFP-8GFC-80D-Dxxxx	SFP+, 8/4/2/1G Fibre Channel, CDR, 80km, DWDM 100GHz C-band, 23dB, DDM, SM

Dxxxx:
D9170 = 191,7 Thz = 1563,86 nm
D9180 = 191,8 Thz = 1563,05 nm
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D9600 = 196,0 Thz = 1529,55 nm
D9610 = 196,1 Thz = 1528,77 nm