SFP-8GFC-DWDM

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

DESCRIPTION

The FibreChannelDWDMSFP+seriessinglemodetransceiversaresmallformfactorpluggablemodulesforbi-directional serial opticaldatacommunications.ThemodulesarecomplianttotheSFP+MSAandarehotpluggable.Digitaldiagnostic functions areavailableviaanI2Cserialbusspecifiedinthe SFPMSASFF-8472.Thesemodulesaremadefor4G/8GFibre Channel and utilize Clock and Data Recovery (CDR) in order to provide the best possible performance.

The transceiversareavailablewithwavelengthsfrom1528.77nm(196.1THz)to1563.86nm(191.7THz)with100GHz increments. Versions for 40 and 80 km transmission are available as well as a 100 km version for chosen wavelengths.

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

APPLICATIONS
- 4G / 8G Fibre Channel
- DWDM Systems

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+, 4/8G Fibre Channel, SM, DDM, DWDM C-band, 15dB, CDR, 40km
SFP-8GFC-80D-Dxxxx	SFP+, 4/8G Fibre Channel, SM, DDM, DWDM C-band, 23dB, CDR, 80km

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

Fiberworks AS
www.fiberworks.no

+47 23 03 53 30
salg@fiberworks.no

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