

# SFP28 DWDM

## 25G Ethernet DWDM Transceiver

### DESCRIPTION

The SFP28 DWDM transceiver is a long range 25 Gbit/s pluggable optical module for data communications such as 25GBASE Ethernet.

The transceivers are available with wavelengths from 1528,77 nm (196,1 THz) to 1563,86 nm (191,7 THz) with 100 GHz increments.

The module is fully compliant with all SFP28 related MSA standards and Digital Diagnostic functions are available through an I2C interface. SFP28-DWDM complies with IEEE 802.3 and 25Gbase-LR.

### APPLICATIONS

- 25GBASE-LR
- DWDM Systems

### FEATURES

- Up to 10km transmission on SM fiber
- Hot-Pluggable SFP footprint
- LC Optical interface
- SFP28 MSA compatible
- Digital Diagnostics Monitoring interface
- Single 3.3 V power supply
- Power dissipation < 2 W
- RoHS-6 compliant (lead-free)
- Case operating 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]
SFP28-L10D-Dxxxx	SM	DWDM C-band	0 to 5	-19 to -4	19

### ORDERING INFORMATION

Part no.	Description
SFP28-L10D-Dxxxx	SFP28, 25GBASE-LR, DDM, 10km, DWDM 100GHz C-band, 19dB, 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