

SFP28 ER

25G Ethernet ER Transceiver

DESCRIPTION

The SFP28 ER transceiver is an extended range 25 Gbit/s pluggable optical module for data communications such as 25GBASE Ethernet.

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

APPLICATIONS

- 25GBASE-ER
- Data Center

FEATURES

- Up to 40km 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-ER | SM | 1310 nm | -1 to 6 | -19 to -5 | 18 |

ORDERING INFORMATION

| Part no. | Description |
|----------|--|
| SFP28-ER | SFP28, 25GBASE-ER, DDM, 40km, 1310nm, 18dB, SM |