

# Huawei 02310YTE Datasheet



Huawei CFP-100G-ER4 High Speed Transceiver, CFP, 100G, Single-mode Module (1310nm band, 4\*25G, 40km, stright LC)

02310YTE

02310YTE - Genuine Huawei CFP-100G-ER4 High Speed Transceiver, CFP, 100G, Single-mode Module (1310nm band, 4\*25G, 40km, stright LC)

## Basic Information

- Module name: CFP-100G-ER4
- Part Number: 02310YTE
- Model: CFP-100G-ER4
- Form factor: CFP
- Application standard: 100GBASE-ER4
- Connector type: LC
- Optical fiber type: SMF
- Working case temperature [°C(°F)]: 0°C to 70°C (32°F to 158°F)
- Transmission rate [bit/s]: 100 Gbit/s
- Target transmission distance [km]: Single-mode fiber: 40 km

## Transmitter Optical Characteristics

- Center wavelength [nm]: 1295 nm, 1300 nm, 1304 nm, 1309 nm
- Maximum Tx optical power [dBm]: 2.9 dBm
- Minimum Tx optical power [dBm]: -2.9 dBm

- Minimum extinction ratio [dB]: 8 dB

#### Receiver Optical Characteristics

- Rx sensitivity [dBm]: -21.4 dBm
- Overload power [dBm]: 4.5 dBm

#### NOTE:

CFP-100G-ER4 optical modules are used in the following scenarios:

- When the transmission distance is less than 10 km, the optical power on the receive end is higher than 1 dBm. In this case, use a 10 dB optical attenuator to reduce the receive optical power.
- When the transmission distance is longer than or equal to 10 km and less than 25 km, the optical power on the receive end is higher than -4 dBm and lower than or equal to 1 dBm. In this case, use a 5 dB optical attenuator to reduce the receive optical power.
- When the transmission distance is in the range of 25 km and 40 km, the optical power on the receive end is lower than or equal to -4 dBm. In this case, no optical attenuator is required.

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