Huawei QSFP28-100G-LR4 Optical Module Datasheet

Optical modules are optoelectronic devices that perform photoelectric and electro-optic conversions. The transmitting end of an optical module converts electrical signals into optical signals, while the receiving end converts optical signals back into electrical signals. Optical modules are classified by their packaging forms, with common types including SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD, QSFP112, and OSFP.

Huawei offers a comprehensive series of pluggable optical modules in the Huawei portfolio. The wide variety of modules gives you flexible and plug-and-play options for all types of interfaces. These compact optical transceivers offer a convenient and cost-effective solution for short reach interconnections in the data center.

Product Appearance

Appearance	Description
QSFP28-100G-LR4 Optical Transceiver	100GBase-LR4 Optical Transceiver, - QSFP28,100G, - Single-mode module (1310nm,10km,LC)

Product Description

General parameter	Value
Connector type	LC/DLC
Optical fiber type	SMF
Form factor	QSFP28
Transmission rate [bit/s]	100G
Target transmission distance [km]	Single-mode fiber (G.652) (with diameter of 9 μm): 10 km
Application standard/Type	100GBASE-LR4
Working case temperature [°C(°F)]	0°C to 70°C (32°F to 158°F)
Type of the end face of the fiber ceramic ferrule	PC or UPC
DDM options	Supported
Center wavelength [nm]	1295, 1300, 1304, 1309
Overload power (AVG) [dbm]	4.5
Minimum Tx optical power (AVG) [dbm]	-4.3
Maximum Tx optical power (AVG) [dbm]	4.5
Minimum extinction ratio [db]	4
Rx sensitivity (OMA) [dbm]	-8.6

More Information

For more information about Huawei products, visit https://e.huawei.com/en/ or contact Huawei's local sales office.

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- Global service hotline: https://e.huawei.com/en/about/service-hotline
- Enterprise technical support website: https://support.huawei.com/enterprise/en/index.html
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