



100G 10KM QSFP28 optical module

SF515A-LC-10KM

Product Brochure

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Product Introduction :

SF515A-LC-10KM optical Transceiver integrates receiver and transmitter path on one module. In the transmit side, four lanes of serial data streams are recovered, retimed, and passed to four laser drivers. The laser drivers control 4- Distributed Feedback Laser (DFB) with center wavelength of 1296 nm, 1300nm, 1305nm and 1309 nm.



Key Features:

- **Compliant with 100GBASE-LR4**
- **Support line rates from 103.125 Gbps to 111.81 Gbps**
- **Integrated LAN WDM TOSA / ROSA for up to 10 km reach over SMF**
- **Digital Diagnostics Monitoring Interface**
- **Duplex LC optical receptacle**
- **No external reference clock**
- **Electrically hot-pluggable**
- **Compliant with QSFP28 MSA with LC connector**
- **Case operating temperature range:0°C to 70°C**
- **Power dissipation <3.5W**

Specifications:

System Specifications	parameter
Package Type	QSFP28
Maximum transfer rate	100Gbps
Wavelength	1296 nm, 1300nm, 1305nm and 1309 nm.
Maximum transmission distance	10km
Fiber Type	Single Mode
Interface Type	LC Duplex
DDM	support
Supply voltage	3.3V
Operating temperature	0°C-70°C (commercial grade)
Warranty	2years

Main Applications

- 100G Ethernet & 100GBASE-LR4
- ITU-T OTU4