

Nokia 473842A-101 Datasheet



Genuine Nokia 473842A.101 9.8G 300m 850nm SFP+Transceiver Module RTX228-554-C20

473842A-101

The Nokia 473842A.101 850nm VCSEL 10Gigabit Transceiver is designed to transmit and receive serial optical data links up from 8.5 Gb/s to 10.51875 data rate over multimode fiber. The Transceiver is compliant with FC-PI-4, 10G FC, IEEE 802.3ae, SFF-8432, and applicable portions of SFF-8431. The transmitter converts serial CML electrical data into serial optical data. An open collector compatible Transmit Disable (Tx_Dis) is provided. When TX_DIS is asserted High, Transmitter is turned off. The receiver converts serial optical data into serial CML electrical data. An open collector compatible Loss of Signal is provided. The RX_LOS signal indicates insufficient optical power for reliable signal reception at the receiver. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472.

Features

- Genuine Nokia 473842A.101
- Compliant to SFP+ MSA
- Fully RoHS Compliant
- Almetahousing for superior EMI performance
- IPF compliant mechanics SFF-8432
- Operating data rate 8.5-10.5Gb/s
- 850nm VCSEL Laser
- High sensitivity PIN photodiode and TIA
- LC duplex connector
- Hot pluggable 20pin connector

- Low power consumption <1.0W
- -40 to 85 operating wide temperature range °C °C
- Single +3.3V±5% power supply
- Digital Monitoring SFF-8472 Rev 11 compliant
- Realtime monitoring of :
 - Transmitted optical power
 - Received optical power
 - Laser bias current
 - Temperature
 - Supply voltage

Applications

- 10GBASE-SR
- 8.5/10.5 Gb/s Fiber Channel
- Wireless and cellular base station

Compliance

- FC-P1-4 Rev 7.00
- 10GFC Rev 4.0
- IEEE 802.3ae 10GBASE-SR
- SFF-8431 Rev 4
- SFF-8472 Rev 11

Specifications

- Part Number: 473842A.101
- MPN: RTX228-554-C20
- Form Factor: SFP+
- Data Rate (max): 8.5 ~ 10.5Gb/s

- Connector: Dual LC
- Reach (km): 300m
- Transmitter: 850nm VCSEL
- Receiver: PIN
- Wavelength (nm): 850nm
- OpticaPower: -7.3 ~ -1.0dBm
- Receive Sensitivity: <-11.1dBm
- DDM: Yes
- Operating Temperature: -40~85°C

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