

fiber options

OH-BD-10G-1270-LC Fiber SFP Data Sheet

10 Gbit/s Bidirectional Optical Data Transceiver

- Optical, bidirectional transceiver for 10 Gbit or 1 Gbit
- 1 port bidirectional operation over single fiber (singlemode)
- 1270 nm TX Wavelength / 1320-1340 nm RX Wavelength
- Pluggable and hot swappable
- Lead free and RoHS compliant

The OH-BD-10G-1270-LC is a 10 Gbit/s bidirectional optical transceiver. The TX wavelength is 1270 nm and suitable for distances up to 20km**. The RX wavelength is between 1320 nm and 1340 nm.

This SFP is typically used in simple WDM closed loop point to point applications and is intended to be paired with the OH-BD-10G-1330-LC SFP at the other end of the fiber link.



Shown with dust cap fitted

TX Specifications

Parameter	Min	Typ	Max
Wavelength	1260 nm	1270 nm	1280 nm
Optical Power	1 dBm	-	5 dBm
Linear Extinction Ratio	3.5 dB	-	-

RX Specifications

Parameter	Min	Typ	Max
Receiver Sensitivity	-	-	-15 dBm
Wavelength	1320 nm	1330 nm	1340 nm
Overload	0.5 dBm	-	-
Loss of Signal Asserted	-30 dBm	-	-
Loss of Signal De-Asserted	-	-	-18 dBm

Mechanical

Parameter	
Size (not including connector - typ)	57 mm x 13.4 mm x 12.4 mm
Weight	50 g
SFP Connector pinning	MSA
Fiber connections	LC (Simplex) - Singlemode
Operating Temperature Range	0°C - 70°C
Power Supply Voltage	3.3V DC
Power Consumption	max. 430 mA
Humidity (non condensing)	90%

Ordering Information

EAN / UPC	Model	Description
4250479328198	OH-BD-10G-1270-LC	10 Gbit/s Bidirectional Optical Transceiver SFP module - 1270 nm - Fiber LC connector

WARNING

This SFP module is a Class 1 laser device which complies to IEC825 and FDA 21 CFR 1040.10 and 1040.11. The device must be operated within specified temperature and voltage limits. The optical ports of the module must always be terminated with an optical connector or a dust plug (dust plug supplied)

Country of manufacture: Taiwan

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Specifications subject to change