

1.25G GBIC-LH Transceiver

MODEL: GBIC-LH



Product Overview

1.25Gbps 1310nm GBIC Optical Transceiver, 40km Reach ING-LH series GBIC transceiver is high performance, cost effective module supporting dual data-rate of 1.25Gbps/1.0625Gbps and from 550m transmission on 50/125 μ m MMF.

The transceiver consists of two sections: The transmitter section incorporates a VCSEL laser. And the receiver section consists of a PIN photodiode integrated with a trans-impedance preamplifier (TIA). All modules satisfy class I laser safety requirements.

The optical output can be disabled by a TTL logic high-level input of Tx Disable. Tx Fault is provided to indicate degradation of the laser. Loss of signal (LOS) output is provided to indicate the loss of an input optical signal of receiver.

The standard serial ID information Compatible with GBIC MSA describes the transceiver's capabilities, standard interfaces, manufacturer and other information. The host equipment can access this information via the two-wire serial CMOS EEPROM protocol. For further information, please refer to SFF-8053.

Features

- Dual data-rate of 1.25Gbps/1.0625Gbps operation
- 1310nm VCSEL laser and PIN photo detector
- Duplex SC optical interface
- Standard serial ID information compatible with SFF-8053
- 550m transmission with 50/125 μ m MMF
- 275m transmission with 62.5/125 μ m MMF
- +3.3V/5V single power supply
- RoHS Compliant
- Operating case temperature: 0 to +70°C

Applications

- Switch to Switch interface
- Switched backplane applications
- Router/Server interface

Other optical transmission systems

Specifications

Form Factor GBIC

Distance 550m

Data Rate 1.25G

Low End Case Temperature (°C) 0°C

High End Case Temperature (°C) 70°C

Diagnostics Digital

Transmitter VCSEL

Receiver PIN

Wavelength (nm) 1310

Connector SC

Information Order

Part No.	Data Rate	Wavele ngth	Reach	Pout	s	Others
GBIC-SX-MM	1.25G	850nm	550M	-10~-3dBm	<-18dBm	SC, 5V/3.3V;SMF;RoHS
GBIC-LH-SM	1.25G	1310nm	40KM	-9~-3dBm	<-20dBm	SC,5V/3.3V;SMF;RoHS
GBIC-ZX-SM	1.25G	1550nm	80KM	0~+5dBm	<-24dBm	SC, 5V/3.3V;SMF;RoHS

Due to continuous improvement, all products specifications are subject to change without further notice.
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