

1.25G SFP Multimode Fiber Optic Transceiver Module (850nm)

LBN-MSx-SFP-SX



OVERVIEW

The 1G SFP Multimode Fiber Optic Module is a 850nm VCSEL 10-Gigabit SFP and transceiver that is designed to transmit and receive optical data over 50/125 μm or 62.5/125 μm multimode optical fiber networks. This cost effective module supports data-rates of 1.25Gbps and 550m transmission distance with MMF. The transceiver consists of three sections: a VCSEL laser transmitter, a PIN photodiode integrated with trans-impedance preamplified (TIA) and MCU control unit. All modules comply with Class I laser safety requirements. The transceivers are compatible with SFP Multi-Source Agreement (MSA) and SFF-8472.

FEATURES

- Data rate of 1.25Gbps
- 850nm VCSEL transmitter, PIN photo detector
- Maximum link length of 300m with 62.5/125 μm MMF or 500m with 50/125 μm MMF
- Duplex LC Connector
- Digital Diagnostic Monitoring

RECOMMENDED OPERATING RATING

Power Supply Voltage	3.13 - 3.47 V
Operating Case Temperature	0 ~ +70°C
Storage Temperature	-40 ~ +85°C
Relative Humidity	5 ~ 95%

OPTICAL CHARACTERISTICS

Center Wavelength	850nm
Average TX Optical Power	-9.5 ~ -3.5 dBm
RX Sensitivity	-18 dBm (Max.)
Optical Connector	Duplex LC

ELECTRICAL CHARACTERISTICS

Data Rate	1.25 Gbps (typical)
Power Consumption	1W (typical)

OPERATING RANGE

62.5 μ m MMF	up to 300m
50 μ m MMF	up to 500m

CERTIFICATIONS

CE

GREEN COMPLIANCE

RoHS

ORDER INFORMATION

LBN-MSx-SFP-SX	1.25G SFP Fiber Optic Transceiver Module
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