

# DATASHEET

## SFP-ER-GE-MM-D



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Planning

Analyzing the demand, we help the customer to find the best solution.

Supplying

We evaluate the most suitable products for each situation, assisting the customer in choosing the best way.

Post Sales

We follow the customer throughout the life of the product, to always be a guarantee of quality.

We offer solutions for every kind of connectivity

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- ◎ Fiber
- ◎ Wireless



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# SFP-ER-GE-MMD

## INTRODUCTION:

The SFP transceivers are high performance, cost effective modules supporting data-rate of 1.25Gbps and 550m transmission distance with MMF.

The transceiver consists of three sections: a VCSEL laser transmitter, a PIN photodiode integrated with a trans-impedance preamplifier (TIA) and MCU control unit. All modules satisfy class I laser safety requirements.

The transceivers are compatible with SFP Multi-Source Agreement (MSA) and SFF-8472. For further information, please refer to SFP MSA.

## Features:

- Data-rate of 1.25Gbps operation
- 850nm VCSEL laser and PIN photodetector
- Compliant with SFP MSA and SFF-8472 with duplex LC receptacle
- Digital Diagnostic Monitoring:

## Internal Calibration or External Calibration

- 500m transmission with 50/125µm MMF
- 300m transmission with 62.5/125µm MMF
- Compatible with RoHS
- +3.3V single power supply
- Operating case temperature:

Standard : 0 to +70°C

Extended : -20 to +85°C

industrial : -40 to +85°C

- Gigabit Ethernet
- Fiber Channel
- Switch to Switch interface
- Switched backplane applications
- Router/Server interface
- Other optical transmission systems



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