

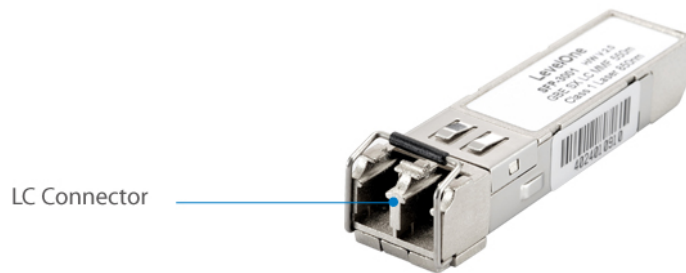


SFP-3001 Version: 2

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## 1.25G MMF SFP Transceiver, 550m, 850nm

LevelOne SFP-3001 is a high performance and cost-effective multi-mode SFP transceiver. Intended for use with Gigabit Ethernet, it provides up to 1.25 Gbps bidirectional data transfer rate on a single duplex fiber core. For use with 50 and 62.5 micron fiber cables, it can reach a distance of up to 550 meters.



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### Key Features

- 850nm VCSEL
- Data Rate: 1.25Gbps
- Single +3.3V Power Supply
- RoHS Compliant and Lead-free
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement(MSA)
- Duplex LC Connector
- Compliance with specifications for IEEE 802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06Gbps
- No configuration or installation software required
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1

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### Specifications

#### System Specifications

Standards & Protocols:

IEEE 802.3z Gigabit Ethernet

SFP Multi-Sourcing Agreement(MSA)

**Connectors and Cabling:**

Duplex LC Connector, Multimode fiber(MMF)

**Wavelength(nm):**

850nm VCSEL Laser Diode

**Optical Receive Sensitivity:**

-17 dBm

**Power Budget:**

7.5 dB

**Power:**

Supply Voltage: 3.3V

Max Voltage/Current: 6V/300mA

**Features****General:**

Hot-swappable

**Performance****Data Transfer Rate:**

1.25 Gbps Bi-directional data link

**Operating Distance:**

up to 550m (50/125?m), 275m ( 62.5/125?m)

Fiber channel up to 1.06Gbps

**Optical Transmission Power:**

-9.5 ~ -3 dBm

**Environment****Temperature (°C):**

Operating: 0°C ~ 70°C

Storage: -40 ~ 85°C

**Humidity (Non-condensing):**

5 ~ 95%

**Physical Specifications****Dimensions (W x D x H mm):**

13.7 x 56.5 x 8.95 mm

**Weight (g):**

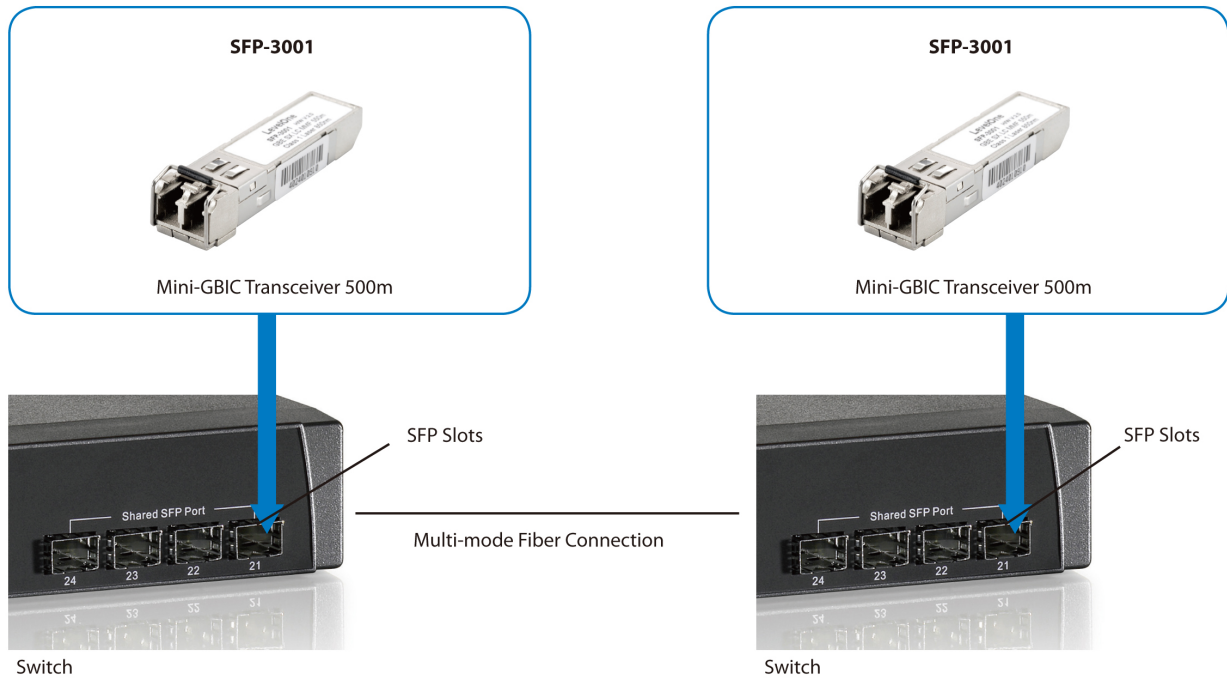
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**Others****Approval and Compliance:**

Class 1 eye safety and comply with EN 60825-1

CE, FCC, RoHS

## Diagram



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## Order Information

SFP-3001

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## Package Contents

SFP-3001

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