



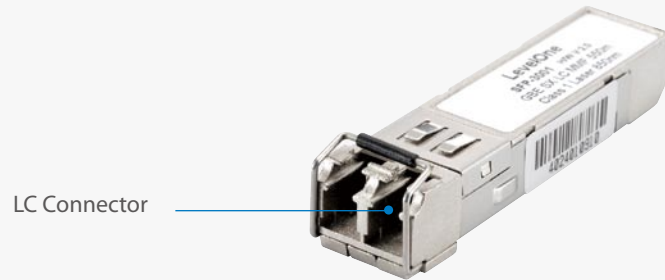
# 1.25G transceiver 850nm VCSEL, SX (MMF 500m), Duplex LC



SFP-3001

H/W Version: 2

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 bi-directional 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.



LC Connector

## 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 1.06bps
- No configuration or installation software required
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1

## Works Well With



### Switch

All LevelOne Switches with SFP Slots



### Media Converter

All LevelOne Media Converter with SFP Slots



### Technical Specifications

**Standard Compliance**

IEEE 802.3z

**Data Rate Gigabit**

1.25G

**Data Rate Fiber Channel**

1.06Gbps

**Media Type**

MMF

**Optical Transmission Power**

-9 ~ -1.1 dBm

**Optical Receiver Sensitivity**

-17 dBm

**Power Budget**

8dB

**Wavelength**

850nm

**Transmission Range**

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

**Connector**

LC

**Supply Voltage**

3.3V

**Max Voltage/Current**

6V/240mA

**Temperature**

0°C ~70°C

**Humidity**

5~90% (non-condensing)

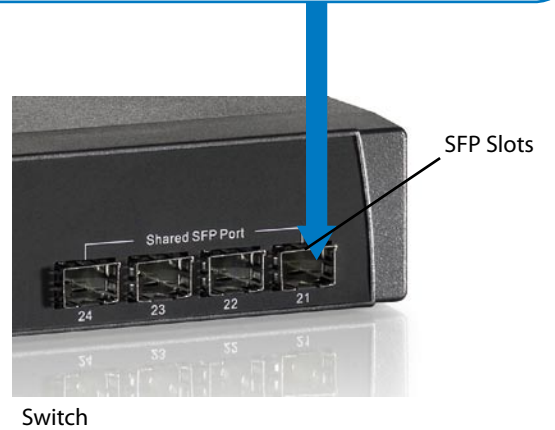
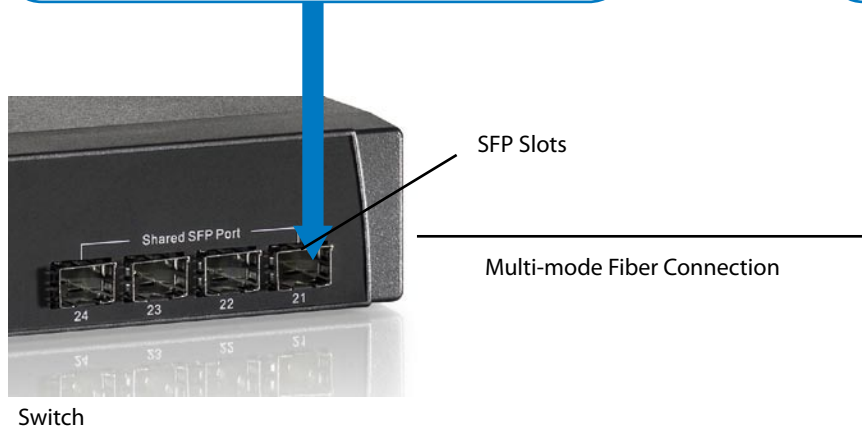
**Dimensions (Lx W x H)**

55.5mm x 14.45mm x 8.5mm

**Certifications**

Class 1 eye safety and comply with EN 60825-1

### Application



**Order Information**

**SFP-3001:** 1.25G transceiver 850nm VCSEL, SX (MMF 500m), Duplex LC

**Package Contents**

SFP-3001

## Related Product



**SFP-3001**  
1.25 G transceiver 850nm  
VCSEL, SX (MMF 500m),  
Duplex LC



**SFP-3111**  
1.25 G transceiver, 1310nm  
MLX (MMF 2km), Duplex LC



**SFP-3211**  
1.25 G transceiver , 1310 nm  
FP-LD, LX (SMF 10m),  
Duplex LC



**SFP-3611**  
1.25 G transceiver , 1550nm  
DFB-LD, ZX (SMF 80km),  
Duplex LC



**SFP-3711**  
1.25 G transceiver 1550nm  
DFB-LD, EZX (SMF 120km),  
Duplex LC



**SFP-1101**  
155Mbps transceiver  
1310nm FP/LED-LD,  
(MMF 2km), Duplex LC



**SFP-1311**  
155Mbps transceiver 1310nm  
FP-LD, (SMF 20km),  
Duplex LC



**SFP-1411**  
155Mbps transceiver 1310nm  
FP-LD, (SMF 40km), Duplex LC



**SFP-7321**  
155Mbps BIDI,  
(SM 20km1310/1550),  
Simplex LC



**SFP-7331**  
155Mbps BIDI, (SM  
20km1550/1310),  
Simplex LC



**SFP-7421**  
155Mbps BIDI,  
(SM 40km1310/1550),  
Simplex LC



**SFP-7431**  
155Mbps BIDI,  
(SM 40km1550/1310),  
Simplex LC



**SFP-9221**  
1.25G BIDI, (SM 10km  
1310/1550), Simplex LC



**SFP-9231**  
1.25G BIDI, (SM 10km  
1550/1310), Simplex LC



**SFP-9321**  
1.25G BIDI, (SM 20km  
1310/1550), Simplex LC



**SFP-9331**  
1.25G BIDI, (SM 20km  
1550/1310), Simplex LC



**SFP-9421**  
1.25G BIDI, (SM 40km  
1310/1550), Simplex LC



**SFP-9431**  
1.25G BIDI, (SM 40km  
1550/1310), Simplex LC



**SFP-3841**  
1.25 G transceiver TX Copper  
(100m), RJ-45 Type

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