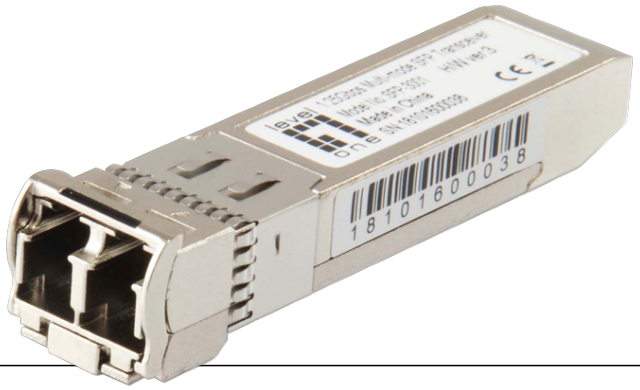
SFP-3001 Version: 3



1.25Gbps Multi-mode SFP Transceiver, 500m, 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 bi-directional data transfer rate on a single duplex fiber core. For use with 50 and 125 micron fiber cables, it can reach a distance of up to 500 meters. The SFP-3001 transceiver operates using a wavelength of 850nm with a VCSEL Laser Diode light source and has an LC port.

Key Features

- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Provides duplex LC connector
- 3.3V Single power supply
- IEEE 802.3z Gigabit Ethernet compliant
- Hot-swappable
- RoHS compliant and Lead Free
- Operating temperature: 0°C to 70°C

Specifications

System Specifications

Standards:
-IEEE 802.3z Gigabit Ethernet.
-1000Base-SX
-SFP Multi-Sourcing Agreement(MSA)
-SFP MSA SFF-8074i Compliant

Port:
Duplex LC Connector, multi-mode fiber(SMF)

Wavelength (nm):
850nm VCSEL Laser Diode

Optical Receive Sensitivity:
-18 to 0dBm±3dB

Optical Link Power Budget:
18dB

Power Input:
2.97 to 3.63V±3%

Power Consumption:
<800mW

Data Rate:
1.25 Gbps Bi-directional data link

Optical Transmission Power:
-9 to -4dBm±3dB

Features

General:
Hot-swappable

Management:
DDMI (Digital Diagnostics Monitoring Interface)

Performance

Operating Distance:
Up to 500m on 50/125µm MMF

Environment

Operating Temperature (°C):
0° ~ 70°C

Operating Humidity (Non-condensing):
0~85%

Storage Temperature (°C):
-40° ~ 85°C

Physical Specifications

Dimensions (W x D x H mm):
14 x 57 x 8.5 mm

Weight (g):
20g

Approval and Compliance

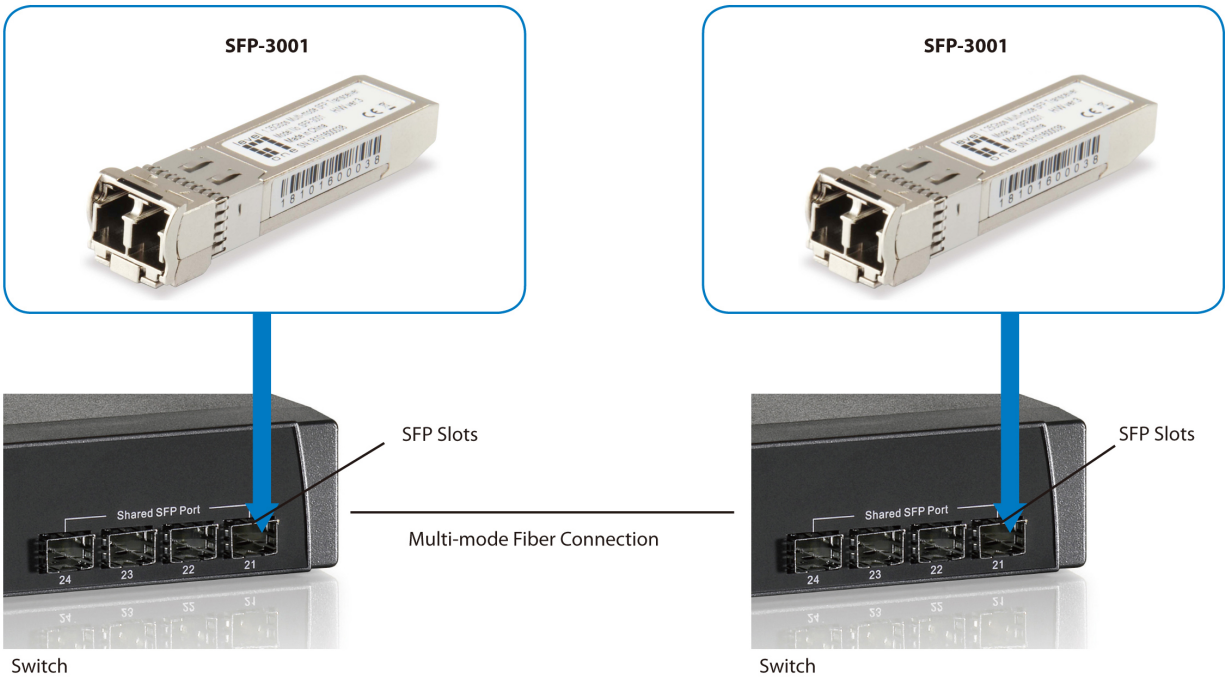
EMI/EMS:
IEC 61000-4-3 / IEC 61000-4-2 , MIL-STD-883 Method 3015

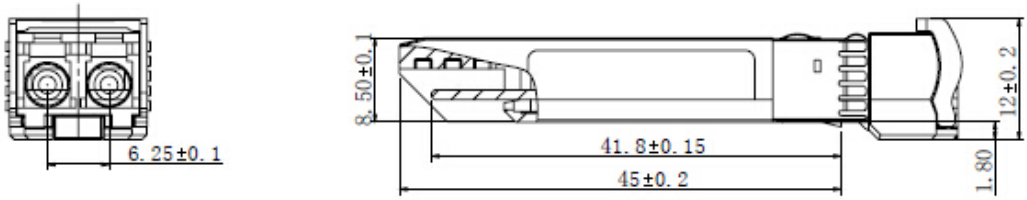
Safety:
-EMI compatible with FCC Part 15 Class B EN55022 Class B (CISPR 22B) VCCI Class B.
-Class 1 Laser Eye Safety compatible with FDA 21CFR 1040.10 and 1040.11 EN60950, EN (IEC)60825-1,2

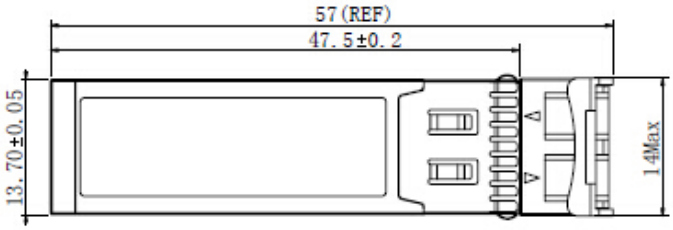
Environmental Test:
RoHS compliant with 2002/95/EC 4.1&4.2 2005/747/EC.

Others:
DDMI

Diagram







Measurement Unit : mm

Order Information

SFP-3001

Package Contents

SFP-3001

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