



SFP-3411 Version: 1

1.25Gbps Single-mode SFP Transceiver, 40km, 1310nm

The LevelOne SFP-3411 is a high performance and cost-effective single-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 9 and 125 micron fiber cables, it can reach a distance of up to 40km. The SFP-3411 transceiver operates using a wavelength of 1310nm with a FP Laser Diode light source and has an LC port.

Key Features

- IEEE 802.3z Gigabit Ethernet compliant
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- Provides duplex LC connector
- RoHS compliant and Lead Free

Specifications

System Specifications

Standards:

- IEEE802.3z 1000BASE-LX

Port:

- Duplex LC Connector
- 9/125 μ m Single-mode Fiber

Wavelength (nm):

- 1310nm

Optical Receive Sensitivity:

- -25dBm

Optical Link Power Budget:

- 20dB

Power Input:

- 3.3V / 250mA

Power Consumption:

- 800 mW (0°~70°C)
- 1000 mW (-40°~85°C)

Data Rate:

- Up to 1.25Gb/s data links

Optical Transmission Power:

- TX Power: -5 to 0 dBm
- RX Power: -25 to -2 dBm

Operating Temperature (°C):

- 0°~70°C

Operating Humidity (Non-condensing):

- 0~85%

Storage Temperature (°C):

- -40°~ 85°C

Features

General:

- Hot-swappable

Management:

- DDMI (Digital Diagnostics Monitoring Interface)

Performance

Operating Distance:

- 40Km

Physical Specifications

Dimensions (W x D x H mm):

- 57 x 13.7 x 8.5 mm

Weight (g):

- 20 g

Approval and Compliance

EMI/EMS:

- EMC Directive 2014/53/EU
- IEC 61000-4-3 / IEC 61000-4-2

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

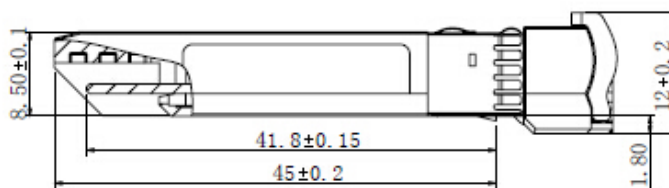
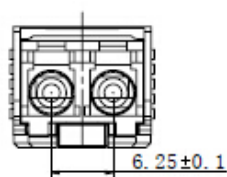
Environmental Test:

- RoHS Directive 2011/65/EU

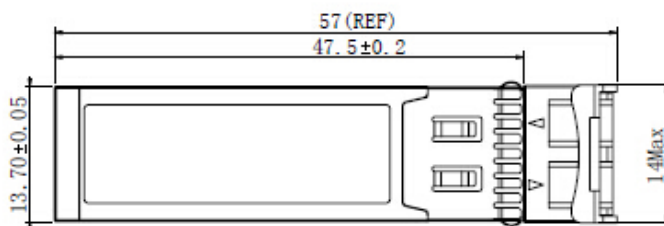
Others:

- MIL-STD-883 Method 3015

Diagram



Measurement Unit : mm



Order Information

SFP-3411

Package Contents

SFP-3411

Quick Installation Guide