



## NEON-SFP-SM

# 1.25Gbps SFP Transceiver

### Features

- ◆ Operating data rate up to 1.25Gbps
- ◆ 1310 nm FP LD Transmitter
- ◆ Distance up to 10km
- ◆ Single 3.3V Power supply and TTL Logic Interface
- ◆ Duplex LC Connector Interface
- ◆ Hot Pluggable
- ◆ Operating Case Temperature  
Industrial:-40 °C ~ +85 °C
- ◆ Compliant with MSA SFP Specification
- ◆ Digital diagnostic monitor interface  
Compatible with SFF-8472



### Applications

- ◆ Gigabit Ethernet Switches and Routers
- ◆ Fiber Channel Switch Infrastructure
- ◆ XDSL Applications
- ◆ Metro Edge Switching

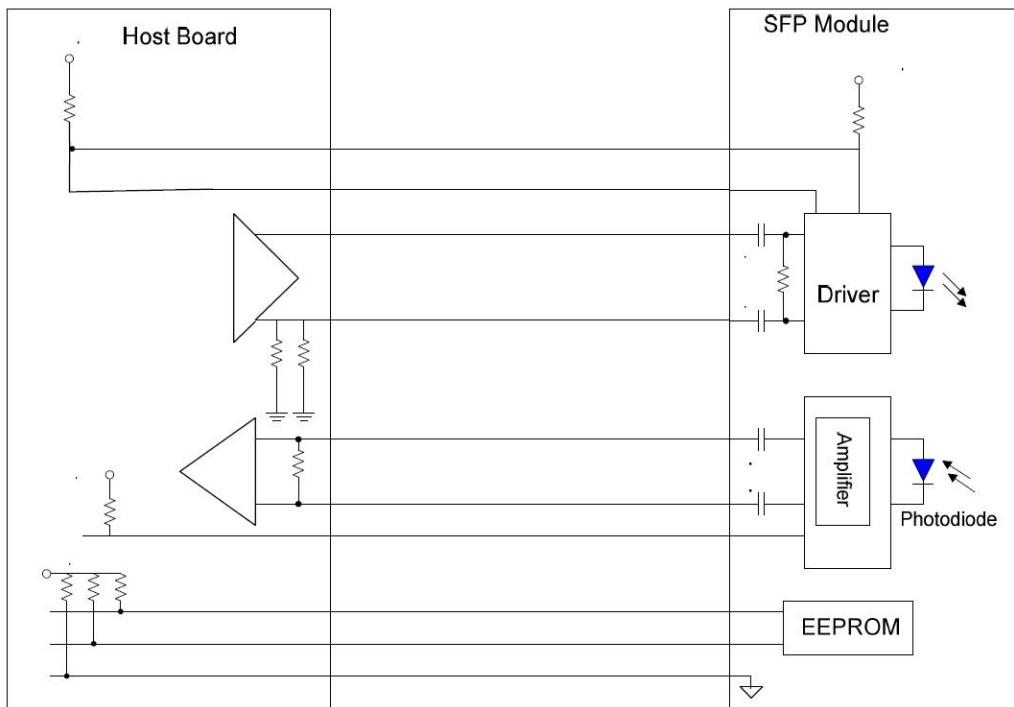
### Product Description

The NEON-SFP-SM single mode transceiver is a small form factor pluggable module for bi-directional serial optical data communications such as Gigabit Ethernet 1000BASE-LX and Fiber Channel 1x SM-LC-L FC-PI. It is with the SFP 20-pin connector to allow hot plug capability. This module is designed for single mode fiber and operates at a nominal wavelength of 1310 nm.

The transmitter section uses a multiple quantum well laser and is Class 1 Laser compliant according to International Safety Standard IEC-60825. The receiver section uses an integrated InGaAs detector preamplifier (IDP) mounted in an optical header and a limiting post-amplifier IC.

The NEON-SFP-SM is designed to be compliant with SFF-8472 SFP Multi-source Agreement (MSA).

## Recommend Circuit Schematic



## Mechanical Specifications

