

## SFP13002FE00 – Dual fiber transceiver LX 1310nm / 2km / Fast Ethernet

### Overview

SFP13002FE00 is a high performance transceiver module for Fast Ethernet data link over a multimode fiber pair. The maximum reach is 2km for a 10dB end of life (EOL) power budget, over multimode fiber (9/125um). The emitter is a 1310nm Fabry-Perot (FP) laser, the receiver is a PIN photodiode.

This transceiver module is compliant with the Small Form-factor Pluggable (SFP) Multisource Agreement (MSA) and hot pluggable. Always contact Skylane commercial agents for compatibility with different equipment platforms.

### Features

- SFP Multi-Source Agreement compliant
- Dual LC connector
- 1310nm FP transmitter, PIN receiver
- 2km, point-to-point transmission on multimode fiber pair
- Fast Ethernet IEEE802.3u 100BASE-FX compliant
- Serial ID functionality supported according to SFF-8472
- Class 1 laser safety standard IEC 60825 compliant
- Low power dissipation (<1W)
- Operating temperature range 0°C to 70°C



### Applications

- FTTx
- Gigabit Ethernet
- Storage

The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.

### Optical Interface

P/N	Wavelength [nm]	Opt. Output Power [dBm] <sup>[1]</sup>	Opt. Receiver Sensitivity [dBm] <sup>[2]</sup>	Power Budget <sup>[1]</sup> [dB]
SFP13002FE00	1310Tx / 1310Rx	-20 to -14	-30	10

### Notes:

- [1] EOL, over operating temperature range  
 [2] measured at Fast Ethernet



## Ordering information

Part no:	Description
SFP13002FE00	SFP dual fiber, LC connector, protocols: FE, nominal reach 2km, Tx: 1310nm FP, Rx: PIN, nominal power budget 10 dB, 0°C to 70°C

## P/N nomenclature for SFP

S(aa)(bb)(ccc)(dd)(e)(f)(ggg)

