

SFP-SX v2

1000Base-SX MiniGBIC Transceiver, LC connector, 500m

The SFP-SX v2 is a high performance and cost-effective module for serial optical data communication applications specified for multimode of 1.25 Gb/s. The module is intended for multimode mode fiber, operates at a nominal wavelength of 850nm. The module is a duplex LC connector transceiver designed for use in Gigabit Ethernet applications and to provide IEEE802.3z compliant link from 125Mbps to 2.125Gbps applications.



Specifications

General

Supply Voltage

- 3.1~3.5V

Supply Current

- 250 mA

Operating Temperature

- 0°C~70°C

Storage Temperature

- -40°C~85°C

Produce Weight (g)

- 6g

Dimensions

- 58 x 13 x 12 mm

Transmitter (Electrical - Optical)

Output Power

- -9.5 dBm ~ -3 dBm

Extinction Ratio

- >9 dB

Coupled Power Ratio

- >9 dB

Wavelength

- 830~860nm

Spectral Width (RMS)

- 0.85 nm

Rise/Fall Time, (20~80%)

- 260 ps

Relative Intensity Noise

- -117dB/Hz

Total Jitter

- 227 ps

Eye Mask

- Compliant with IEEE 802.3z

Max. Pout TX-DISABLE Asserted

- -45 dBm

Differential Input Voltage

- 0.4 V ~ 2.0V

**Receiver Specifications
(Electrical-optical)**

Optical Input Power-maximum

- -3 dBm (BER < 10⁻¹²)

Optical Input Power-minimum (Sensitivity)

- -18 dBm (BER < 10⁻¹²)

Wavelength

- 770-860 nm

Optical Return Loss

- 12 dB

Loss of Signal-Asserted

- -20 dBm

Loss of Signal-Deasserted

- -35 dBm

Differential Output Voltage

- 0.5 V ~ 1.2 V

Data Output Rise, Fall Time (20–80%)

- 0.35 ns

Receiver Loss of Signal Output Voltage-Low

- 0 V ~ 0.5V

Receiver Loss of Signal Output Voltage-High

- 2.4 V

Ordering Information:

AirLive SFP-SX v2 1000Base-SX MiniGBIC Transceiver, LC connector, 500m