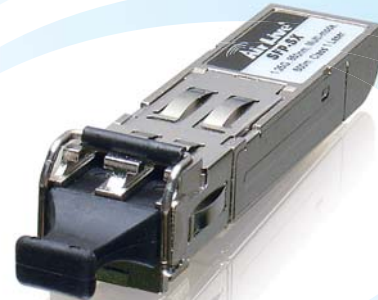


## SFP-SX

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

The SFP-SX 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 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 IEEE-802.3z compliant link for 1.25Gb/s short reach applications.



### Specifications

#### General

- Supply Voltage: 3.1 V ~ 3.5V
- Supply Current: 250 mA
- Operating Temperature: 0°C ~ 70°C
- Storage Temperature: -40°C ~ 85°C

#### Transmitter (Electrical - Optical)

- Output Power: -9.5 dBm ~ -4 dBm
- Extinction Ratio: 9 dB
- Coupled Power Ratio: 9 dB
- Wavelength: 830 nm ~ 860 nm
- Spectral Width (RMS): 0.85 nm
- Rise/Fall Time, (20-80%): 260 ps
- Relative Intensity Noise: -117 dB/Hz
- Total Jitter: 227 ps
- Eye Mask: Compliant with IEEE 802.3ae
- Max. Pout TX-DISABLE Asserted: -45 dBm
- Differential Input Voltage: 0.4 V ~ 2.0V

#### Receiver Specifications (Electrical -optical)

- Optical Input Power-maximum: 0 dBm (BER < 10-12)
- Optical Input Power-minimum (Sensitivity): -18 dBm (BER < 10-12)
- Wavelength: 770 nm ~ 860 nm
- Optical Return Loss: 12 dB
- Loss of Signal-Asserted: -18 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

#### Produce Weight (g)

- 16 g

#### Dimensions

- 67 x 13 x 9 mm

### Ordering Information:

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