

## 155Mbps 100BASE SFP MODULES

### Overview

The 100Base SFP transceiver supports 20+km transmission distance with SMF and 2km with MMF.

The transceiver consists of : the transmitter section incorporates a 1310nm FP laser. The receiver section consists of a PIN photodiode integrated with a trans-impedance preamplifier (TIA). All modules satisfy class I laser safety requirements. The optical output can be disabled by a TTL logic high-level input of TX Disable. TX Fault indicates the degradation of the laser. Loss of signal (LOS) output indicates the loss of an input optical signal of receiver. It is used in Telecom and Fast Ethernet application, SONET OC-3/SDH STM-1.

### Key Features

- SFP package with LC connector
- 1310nm FP laser and PIN photo detector
- 2km transmission with MMF
- 20+Km transmission with SMF
- +3.3V single power supply
- Up to 155Mbps data links
- Complies with Bellcore TA-NWT-000983
- Low EMI and excellent ESD protection
- Laser safety standard IEC-60825-1 compliant
- Compatible with RoHS
- Hot pluggable
- **Brand names coding available**



### Specifications

Parameter	Minimum	Maximum	Unit
<b>Storage Temperature(TST)</b>	-40	85	°C
<b>Operating Temperature(TOP)</b>	0	+70	°C
<b>Operating Relative Humidity</b>	5	70	%
<b>Power Supply Voltage(VCC)</b>	3.13	3.47	V
<b>Power Supply Current (Icc)</b>		280	mA
<b>Power Supply Noise Rejection</b>		100	mVp-p
<b>Optical Wavelength (λ)</b>	1261	1360	nm

### Ordering Information (Compatible with most brands-call for more info)

<b>BSD-SFPLC</b>	SFP, 155Mbps, 1310nm, 3.3V 100Base-FX Multi mode SFP Module, 2km
<b>BSD-SFPLC-20</b>	SFP, 155Mbps, 1310nm, 3.3V 100Base-FX Single mode SFP Module, 20km <b>(Longer distance special order)</b>