

1.25 Gbps 1000BASE SFP MODULES

Overview

The SFP transceiver supports 20+km transmission distance with SMF and 2km with MMF. It is also available the version SX with 500m on MMF.

The transceiver consists of two sections: the transmitter section incorporates a FP laser. The receiver section consists of a PIN photodiode integrated with a trans-impedance pre-amplifier (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 Ethernet application

Key Features

- SFP package with LC connector
- 1310nm (850nm on SX version) FP laser and PIN photo detector
- 2km transmission with MMF (500m on SX version)
- 20+Km transmission with SMF
- +3.3V single power supply
- LVPECL compatible data input/output interface
- Low EMI and excellent ESD protection
- Laser safety standard IEC-60825 compliant
- Compatible with RoHS
- **Cisco, Nortel, 3Com, HP, Avaya coding available (Please enquire for other brands)**



Specifications

Parameter	Minimum	Maximum	Unit
Storage Temperature(TST)	-40	+85	°C
Operating Temperature(TOP)	0	+70	°C
Supply Voltage(VCC)	0	+3.6	V
Input voltage (VIN)	GND	VCC	
Supply Voltage (VCC)	3.15	3.45	V
Operating Relative Humidity	5	95	%

Ordering Information (Main brands coding available)

BSD-SFPGLC(SX)	SFP, 1.25Gbps, 850nm, 3.3V 1000Base-FX Multi mode SFP Module, 500m
BSD-SFPGLC	SFP, 1.25Gbps, 1310nm, 3.3V 1000Base-FX Multi mode SFP Module, 2km
BSD-SFPGLC-20	SFP, 1.25Gbps, 1310nm, 3.3V 1000Base-FX Single mode SFP Module, 20km (Longer distance special order)