

BIDI SFP SDH

Overview

LongXing's BIDI Multi-rate Series 2.67Gb/s transceiver module integrates optics and electronics in a Small Form Factor Pluggable (SFP) package. It is MSA compatible and designed for operation at 1310 nm and 1550 nm. Although optimized for OC-48/STM-16, it provides multi-rate capabilities and can be used from OC-3/STM-1(155 Mb/s) up to 2.7 Gb/s. Multi Rate SFP transceiver provides a fully OC-48 SONET compliant interface between the SONET/SDH photonic layer and the electrical layer. Its microprocessor - based modular design implements all features specified in the SFP MSA compatible 2-wire Serial Digital Diagnostic Monitoring Interface for Optical Transceivers. OC-48 / STM-16 is a network line with transmission speeds of up to 2488.32 Mbit/s .OC-12 or STM-4 is a network line with transmission speeds of up to 622.08 Mbit/s OC-3/STM-1 is a network line with transmission speeds of up to 155.52 Mbit/s using fibre optics.



Features

- Bi-Directional SFP Optical Transceiver
- Simplex SC or LC Connector
- Up to 2.67 Gb/s bi-directional data links
- Multirate for SONET OC-48 / SDH STM-16, Fibre Channel 1x/2x, 1000BASE, STM-1/OC3, STM-4/OC12
- AC/AC Coupling according to MSA
- Single +3.3 V Power Supply
- RoHS Compliant
- 0 to 70C, -10 to 85C, -40 to 85C Case operation temperature ranges
- Class 1 Laser International Safety Standard IEC 60825 Compliant

Applications

- SDH/SONET Link
- Gigabit Ethernet Interconnect
- Fibre Channel Links



Specifications

Package	P/N	Data Rate	Wavelength	OSA Type	Distance	Connector	Case Temp.	DDM	Application
BIDI SFP	LXB53502 11-Dxx	100M~155 Mbps	1310nm/155 0nm	FP/PIN	2km	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB55302 11-Dxx	100M~155 Mbps	1550nm/131 0nm	FP/PIN	2km	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB53515 11-Dxx	100M~155 Mbps	1310nm/155 0nm	FP/PIN	15km	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB55315 11-Dxx	100M~155 Mbps	1550nm/131 0nm	FP/PIN	15km	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB53540 11-Dxx	100M~155 Mbps	1310nm/155 0nm	FP/PIN	40km	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB55340 11-Dxx	100M~155 Mbps	1550nm/131 0nm	DFB/PIN	40km	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB53580 11-Dxx	100M~155 Mbps	1310nm/155 0nm	DFB/PIN	80km	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB55380 11-Dxx	100M~155 Mbps	1550nm/131 0nm	DFB/PIN	80km	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB51129 11-Dxx	100M~155 Mbps	CWDM/CW DM	DFB/PIN	29DB	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB51134 11-Dxx	100M~155 Mbps	CWDM/CW DM	DFB/PIN	34DB	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB51136 11-Dxx	100M~155 Mbps	CWDM/CW DM	DFB/PIN	36DB	LC/SC	Com./Ind.	D	FE, SDH, SONET
BIDI SFP	LXB53502 22-Dxx	100M~622 Mbps	1310nm/155 0nm	FP/PIN	2km	LC/SC	Com./Ind.	D	SDH, SONET
BIDI SFP	LXB55302 22-Dxx	100M~622 Mbps	1550nm/131 0nm	FP/PIN	2km	LC/SC	Com./Ind.	D	SDH, SONET
BIDI SFP	LXB53515 22-Dxx	100M~622 Mbps	1310nm/155 0nm	FP/PIN	15km	LC/SC	Com./Ind.	D	SDH, SONET
BIDI SFP	LXB55315 22-Dxx	100M~622 Mbps	1550nm/131 0nm	DFB/PIN	15km	LC/SC	Com./Ind.	D	SDH, SONET
BIDI SFP	LXB53540 22-Dxx	100M~622 Mbps	1310nm/155 0nm	FP/PIN	40km	LC/SC	Com./Ind.	D	SDH, SONET
BIDI SFP	LXB55340 22-Dxx	100M~622 Mbps	1550nm/131 0nm	DFB/PIN	40km	LC/SC	Com./Ind.	D	SDH, SONET
BIDI SFP	LXB51123 22-Dxx	100M~622 Mbps	CWDM/CW DM	DFB/PIN	23dB	LC/SC	Com./Ind.	D	SDH, SONET
BIDI SFP	LXB51128 22-Dxx	100M~622 Mbps	CWDM/CW DM	DFB/PIN	28dB	LC/SC	Com./Ind.	D	SDH, SONET
BIDI SFP	LXB51135 22-Dxx	100M~622 Mbps	CWDM/CW DM	DFB/PIN	35dB	LC/SC	Com.	D	SDH, SONET
BIDI SFP	LXB535M3 44-Dxx	up to 2.5Gbps	1310nm/155 0nm	FP/PIN	300m	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET



BIDI SFP	LXB553M3 44-Dxx	up to 2.5Gbps	1550nm/131 0nm	FP/PIN	300m	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB53505 44-Dxx	up to 2.5Gbps	1310nm/155 0nm	FP/PIN	5km	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB55305 44-Dxx	up to 2.5Gbps	1550nm/131 0nm	DFB/PIN	5km	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB55315 44-Dxx	up to 2.5Gbps	1310nm/155 0nm	DFB/PIN	15km	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB55315 44-Dxx	up to 2.5Gbps	1310nm/155 0nm	DFB/PIN	15km	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB55340 44-Dxx	up to 2.5Gbps	1310nm/155 0nm	DFB/PIN	40km	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB55340 44-Dxx	up to 2.5Gbps	1550nm/131 0nm	DFB/PIN	40km	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB51115 44-Dxx	up to 2.5Gbps	CWDM/CW DM	DFB/PIN	15dB	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB51117 44-Dxx	up to 2.5Gbps	CWDM/CW DM	DFB/PIN	17dB	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB51120 44-Dxx	up to 2.5Gbps	CWDM/CW DM	DFB/PIN	20dB	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET
BIDI SFP	LXB51129 44-Dxx	up to 2.5Gbps	CWDM/CW DM	DFB/PIN	29dB	LC/SC	Com./Ind.	D	GBE,FC,S DH,SONET

Shipping Information

Package Contents	Transceiver, 10 units
Package Dimensions(W*H*D)	20mm*13.5mm*3.8mm
Material	Carton box
Weight	0.5 KG
Lead Time	10-15 working days normally



Packing Details

