

BIDI SFP+

Overview

LongXing's BIDI SFP+ transceivers are designed for bi-directional 10G serial optical data communications such as IEEE 802.3ae 10GBASE-BX by using 1330(1270nm) transmitter and 1270(1330) nm receiver. The transceiver consists of two sections: The transmitter section uses a multiple quantum well 1330(1270) nm DFB laser and is a class 1 laser compliant according to International Safety Standard IEC 60825. The receiver section uses an integrated 1270(1330) nm detector preamplifier (IDP) mounted in an optical header and a limiting post-amplifier IC.



Features

- One Fiber BiDi SFP+ Optical Transceiver
- Up to 10.3 Gbps Bi-directional Data Links
- Fully Compliant with SFP+ MSA
- Compliant to IEEE 802.3ae 10GBASE-BX
- SFF-8472 Digital Diagnostic Function
- Simplex LC Connector
- Distance Up to 60 km
- +3.3 V Power Supply
- RoHS Compliant
- -5 to 70C Operating Temp.

Applications

- 10GBASE-BX at 10.3125 Gb/s
- 10GBASE-BX at 9.953 Gb/s
- 1000 Base-LX Ethernet
- 8XFC at 8.5Gbps
- 4XFC at 4.25Gpbs
- 2XFC at 2.125Gpbs
- 1xFC at 1.0625Gbps



Specifications

Package	P/N	Data Rate	Wavelength	OSA Type	Distance	Connector	Case Temp.	DDM	Application
BIDI SFP+	LXB77810 99-DCL	9.95~10.3 G	1270nm/13 30nm	DFB/PIN	10km	LC	0~70	D	10G, 10GFC
BIDI SFP+	LXB78710 99-DCL	9.95~10.3 G	1330nm/12 70nm	DFB/PIN	10km	LC	0~70	D	10G, 10GFC
BIDI SFP+	LXB77820 99-DCL	9.95~10.3 G	1270nm/13 30nm	DFB/PIN	20km	LC	0~70	D	10G, 10GFC
BIDI SFP+	LXB78720 99-DCL	9.95~10.3 G	1330nm/12 70nm	DFB/PIN	20km	LC	0~70	D	10G, 10GFC
BIDI SFP+	LXB77840 99-DCL	9.95~10.3 G	1270nm/13 30nm	DFB/PIN	40km	LC	0~70	D	10G, 10GFC
BIDI SFP+	LXB78740 99-DCL	9.95~10.3 G	1330nm/12 70nm	DFB/PIN	40km	LC	0~70	D	10G, 10GFC
BIDI SFP+	LXB77860 99-DCL	9.95~10.3 G	1270nm/13 30nm	DFB/APD	60km	LC	0~70	D	10G, 10GFC
BIDI SFP+	LXB78760 99-DCL	9.95~10.3 G	1330nm/12 70nm	DFB/APD	60km	LC	0~70	D	10G, 10GFC
BIDI SFP+	LXB77810 99-DEL	9.95~10.3 G	1270nm/13 30nm	DFB/PIN	10km	LC	-10~85	D	10G, 10GFC
BIDI SFP+	LXB78710 99-DEL	9.95~10.3 G	1330nm/12 70nm	DFB/PIN	10km	LC	-10~85	D	10G, 10GFC
BIDI SFP+	LXB77820 99-DEL	9.95~10.3 G	1270nm/13 30nm	DFB/PIN	20km	LC	-10~85	D	10G, 10GFC
BIDI SFP+	LXB78720 99-DEL	9.95~10.3 G	1330nm/12 70nm	DFB/PIN	20km	LC	-10~85	D	10G, 10GFC
BIDI SFP+	LXB77840 99-DEL	9.95~10.3 G	1270nm/13 30nm	DFB/PIN	40km	LC	-10~85	D	10G, 10GFC
BIDI SFP+	LXB78740 99-DEL	9.95~10.3 G	1330nm/12 70nm	DFB/PIN	40km	LC	-10~85	D	10G, 10GFC
BIDI SFP+	LXB77860 99-DEL	9.95~10.3 G	1270nm/13 30nm	DFB/PIN	60km	LC	-10~85	D	10G, 10GFC
BIDI SFP+	LXB78760 99-DEL	9.95~10.3 G	1330nm/12 70nm	DFB/APD	60km	LC	-10~85	D	10G, 10GFC

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



