

SDH SFP+

Overview

LongXing's SDH SFP+ transceiver is a high performance, cost effective modules for serial optical data communications applications specified for signal rates of 9.95 Gb/s to 11.3 Gb/s. The modules are designed for single mode fiber and operates at a nominal wavelength of 850/1310/1550 nm. The transmitter section incorporates uncooled directly modulated 1310 nm distributed feedback laser (DFB) or EML cooled laser 1550nm. The receiver section uses PIN photo detector for low dark current and excellent responsivity or APD high sensitivity receiver.



Features

- Supports 9.95Gb/s to 11.3Gb/s bit rates
- CDR both at Tx and Rx side.
- IEC 60825-1 Class 1/CDRH Class 1 laser eye safety.
- Hot-pluggable SFP+ footprint
- Maximum link length of 80km
- DFB or Temperature-stabilized EML Transmitter
- Duplex LC connectors
- Low Power dissipation
- Superior Thermal and EMI integrity performance to support high port densities
- LC Duplex optical connector interface conforming to ANSI TIA/EIA604-10 (FOCIS 10)
- Built-in digital diagnostic functions, DDMI
- Temperature range -5°C to 70°C or Industrial Temperature range on request
- RoHS-6, CE, FDA, FCC, TUV, UL certificates

Applications

- SONET OC-192 / SDH STM-64
- ITU-T G.709
- 10GBASE-SR/LR/ER/EW/ZR
- 10GBASE-SR/LR/ER/EW/ZR+ FEC
- 10/40/80 km 10G Fibre Channel
- 10/40/80 km 10G Fibre Channel + FEC



Specifications

Package	P/N	Duplex/Bi-directional	Data Rate	Wavelength	OSA Type	Distance	Connector	Case Temp.	DDM	Application
10G SFP+ with CDR										
SFP+	LXD7AM 39-DCL	Duplex	9.95~10.3G	850nm	VSCSEL/PIN	<300m	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7AM 39-DCL	Duplex	9.95~10.3G	850nm	VSCSEL/PIN	<300m	LC	Ext.	D	Eth, SDH, 10GFC
SFP+	LXD7BM 29-DCL	Duplex	9.95~10.3G	1310nm	FP/PIN	<220m	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7B0 29-DCL	Duplex	9.95~11.1G	1310nm	FP/PIN	2km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7D1 09-DCL	Duplex	9.95~11.1G	1310nm	DFB/PIN	10km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7D2 09-DCL	Duplex	9.95~11.1G	1310nm	DFB/PIN	20km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7D4 09-DCL	Duplex	9.95~11.1G	1310nm	DFB/PIN	40km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7F70 9-DCL	Duplex	9.95~11.1G	1310nm	DFB/APD	70km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7E4 09-DCL	Duplex	9.95~11.1G	1550nm	EML/PIN	40km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7G8 09-DCL	Duplex	9.95~11.1G	1550nm	EML/APD	80km	LC	Com.	D	Eth, SDH, 10GFC
10G SFP+ BIDI with CDR										
SFP+	LXB77810 99-DCL	BIDI	9.95~11.1G	1270nm/1330nm	DFB/PIN	10km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXB78710 99-DCL	BIDI	9.95~11.1G	1330nm/1270nm	DFB/PIN	10km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXB77820 99-DCL	BIDI	9.95~11.1G	1270nm/1330nm	DFB/PIN	20km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXB78720 99-DCL	BIDI	9.95~11.1G	1330nm/1270nm	DFB/PIN	20km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXB77840 99-DCL	BIDI	9.95~11.1G	1270nm/1330nm	DFB/PIN	40km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXB78740 99-DCL	BIDI	9.95~11.1G	1330nm/1270nm	DFB/PIN	40km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXB77860 99-DCL	BIDI	9.95~11.1G	1270nm/1330nm	DFB/PIN	60km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXB78760 99-DCL	BIDI	9.95~11.1G	1330nm/1270nm	DFB/PIN	60km	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXB77810 99-DEL	BIDI	9.95~11.1G	1270nm/1330nm	DFB/PIN	10km	LC	Ext.	D	Eth, SDH, 10GFC
SFP+	LXB78710 99-DEL	BIDI	9.95~11.1G	1330nm/1270nm	DFB/PIN	10km	LC	Ext.	D	Eth, SDH, 10GFC



SFP+	LXB77820 99-DEL	BIDI	9.95~11. 1G	1270nm/1 330nm	DFB/PIN	20km	LC	Ext.	D	Eth, SDH, 10GFC
SFP+	LXB78720 99-DEL	BIDI	9.95~11. 1G	1330nm/1 270nm	DFB/PIN	20km	LC	Ext.	D	Eth, SDH, 10GFC
SFP+	LXB77840 99-DEL	BIDI	9.95~11. 1G	1270nm/1 330nm	DFB/PIN	40km	LC	Ext.	D	Eth, SDH, 10GFC
SFP+	LXB78740 99-DEL	BIDI	9.95~11. 1G	1330nm/1 270nm	DFB/PIN	40km	LC	Ext.	D	Eth, SDH, 10GFC
SFP+	LXB77860 99-DEL	BIDI	9.95~11. 1G	1270nm/1 330nm	DFB/PIN	60km	LC	Ext.	D	Eth, SDH, 10GFC
SFP+	LXB78760 99-DEL	BIDI	9.95~11. 1G	1330nm/1 270nm	DFB/PIN	60km	LC	Ext.	D	Eth, SDH, 10GFC
10G CWDM/DWDM SFP+ with CDR										
SFP+	LXD7H30 9-DCLxx	Duplex	9.95~11. 1G	1270~133 0nm	DFB/PIN	10dB	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7H40 9-DCLxx	Duplex	9.95~11. 1G	1270~133 0nm	DFB/PIN	14dB	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7H30 9-DCLxx	Duplex	9.95~11. 1G	1470~161 0nm	DFB/PIN	10dB	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7H40 9-DCLxx	Duplex	9.95~11. 1G	1470~161 0nm	EML/PIN	14dB	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD71809 -DCLxx	Duplex	9.95~11. 1G	1470~161 0nm	EML/APD	23dB	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD71809 -DCLxx	Duplex	9.95~11. 1G	1270~133 0nm	DFB/APD	23dB	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7J409 -DCxx	Duplex	9.95~11. 1G	DWDM	EML/PIN	14dB	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7K80 9-DCxx	Duplex	9.95~11. 1G	DWDM	EML/APD	23dB	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7J409 -DCxx	Duplex	9.95~11. 1G	DWDM 50GHz	EML/PIN	14dB	LC	Com.	D	Eth, SDH, 10GFC
SFP+	LXD7K80 9-DCxx	Duplex	9.95~11. 1G	DWDM 50GHz	EML/APD	23dB	LC	Com.	D	Eth, SDH, 10GFC

Shipping Information

Package Contents	Transceiver, 10 units
Package Dimensions(W*H*D)	20mm*13.5mm*3.8mm
Material	Carton box
Weight	0.82 KG
Lead Time	10-15 working days normally



Packing Details

