

XFP

Overview

LongXing's XFP 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. It is fully compliant to XFP MSA Rev 4.5. 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
- IEC 60825-1 Class 1/CDRH Class 1 laser eye safety.
- Hot-pluggable XFP footprint
- Maximum link length of 80km
- DFB or Temperature-stabilized EML Transmitter
- XFP Loopback Mode
- Duplex LC connector
- 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	Data Rate	Wavelength	OSA Type	Distance	Connector	Case Temp.	DDM	Application
XFP	LXD6AM39 -DCL	9.95~10.3 G	850nm	VSCSEL/PIN	<300m	LC	0~70	D	Ethernet, 10GFC
XFP	LXD6AM39 -DIL	9.95~11.1 G	850nm	VSCSEL/PIN	<300m	LC	-40~85	D	Ethernet, 10GFC
XFP	LXD6BM29 -DCL	9.95~11.1 G	1310nm	FP/PIN	<220m	LC	0~70	D	Ethernet, SONET, 10GFC
XFP	LXD6B029- DCL	9.95~11.1 G	1310nm	FP/PIN	2km	LC	0~70	D	Ethernet, SONET, 10GFC
XFP	LXD6D109 -DCL	9.95~11.1 G	1310nm	DFB/PIN	10km	LC	0~70	D	Ethernet, SONET, 10GFC
XFP	LXD6D109 -DIL	9.95~11.1 G	1310nm	DFB/PIN	10km	LC	-40~85	D	Ethernet, SONET, 10GFC
XFP	LXD6D209 -DCL	9.95~11.1 G	1310nm	DFB/PIN	20km	LC	0~70	D	Ethernet, SONET, 10GFC
XFP	LXD6D209 -DIL	9.95~11.1 G	1310nm	DFB/PIN	20km	LC	-40~85	D	Ethernet, SONET, 10GFC
XFP	LXD6D409 -DCL	9.95~11.1 G	1310nm	DFB/PIN	40km	LC	0~70	D	Ethernet, SONET, 10GFC
XFP	LXD6E409- DCL	9.95~11.1 G	1550nm	EML/PIN	40km	LC	0~70	D	Ethernet, SONET, 10GFC
XFP	LXD6E409- DIL	9.95~11.1 G	1550nm	EML/PIN	40km	LC	-40~85	D	Ethernet, SONET, 10GFC
XFP	LXD6G809 -DCL	9.95~11.1 G	1550nm	EML/APD	80km	LC	0~70	D	Ethernet, SONET, 10GFC
XFP	LXD6G809 -DIL	9.95~11.1 G	1550nm	EML/APD	80km	LC	-40~85	D	Ethernet, SONET, 10GFC
XFP	LXD6GA09 -DCL	9.95~11.1 G	1550nm	EML/APD	100km	LC	0~70	D	Ethernet, SONET, 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

