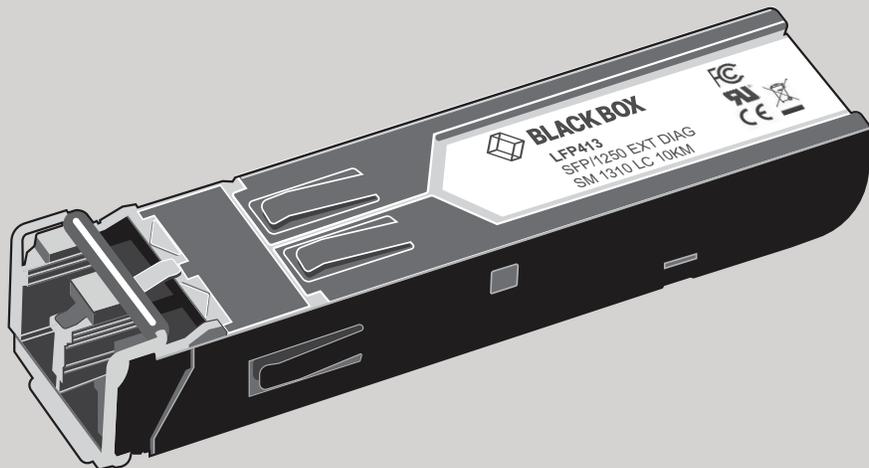


DATA SHEET

LFP413

SFP – 1250-MBPS 1310-NM, SM FIBER, 10 KM, LC

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM



OVERVIEW

LFP410 SERIES SFP – 1250-MBPS, EXTENDED DIAGNOSTICS, 1310-NM SINGLE-MODE FIBER, 10-KM, LC (LFP413) DATA SHEET

INTRODUCTION

The LFP413 Small Form Factor Pluggable (SFP) transceiver module is specifically designed for a high performance integrated duplex data link over single-mode optical fiber. This transceiver module complies with the SFP Multisource Agreement (MSA). Because the module is hot pluggable, it is easy to install into SFP MSA compliant ports at any time without interrupting the host equipment operating online.

The LFP413 SFP transceiver uses a long wavelength (1310 nm) FP laser diode to enable data transmission up to 6.2 miles (10 km) on a single-mode (9/125 μm) optical fiber.

FEATURES

- COMPLIES WITH SFP MULTI-SOURCE AGREEMENT
- COMPLIES 1.0625-GBPS FIBER CHANNEL FC PI 100-SM-LC-L
- COMPLIES WITH 1.25-GBPS IEEE 802.3 1000BASE-LX STANDARD
- SUPPORTS SERIAL ID FUNCTION
- INCLUDES A SINGLE +3.3-V POWER SUPPLY
- HAS AN LC DUPLEX RECEPTACLE
- COMPLIES WITH CLASS 1 LASER SAFETY STANDARD IEC 825
- DISSIPATES LOW POWER
- SUPPORTS EXTENDED DIAGNOSTICS

APPLICATIONS

- 1X FIBER CHANNEL FEATURE 2
- GIGABIT ETHERNET
- HIGH-SPEED I/O FOR FILE SERVER
- MASS STORAGE SYSTEM I/O
- HOST ADAPTER I/O
- BUS EXTENSION

COMPARISON CHART

BLACK BOX LFP410 SERIES FIBER SFP MODULES		
PART NUMBER	DESCRIPTION	DISTANCE
1-GBPS CONNECTIONS		
LFP411	SFP 1250-Mbps, 850-nm Multimode Fiber, LC	550 m
LFP412	SFP 1250-Mbps, 1310-nm Multimode Fiber, LC	2 km
LFP413	SFP 1250-Mbps, 1310-nm Single-mode Fiber, LC	10 km
LFP414	SFP 1250-Mbps, 1310-nm Single-mode Fiber, LC	40 km
LFP418	SFP 1250, Extended Diagnostics, 1550-nm Single-mode Fiber, LC	80 km
LFP420	SFP 1250-Mbps, 1550-nm TX, 1310-nm RX, Single-Mode Fiber, Simplex LC	10 km
LFP421	SFP 1250-Mbps, 1310-nm TX, 1550-nm RX, Single-Mode Fiber, Simplex LC	10 km



SPECIFICATIONS

LFP410 SERIES SFP – 1250-MBPS, EXTENDED DIAGNOSTICS, 1310-NM SINGLE-MODE FIBER, 10-KM, LC (LFP413) DATA SHEET

SPECIFICATIONS (LFP413)	
CONNECTOR	Duplex LC
DISTANCE	Up to 6.2 mi. (10 km)
ELECTRO-OPTICAL CHARACTERISTICS	Receiver: Sensitivity: -20 dBm, Wavelength: 1260 nm min., 1360 nm max.; Transmitter: Output: -9.5 dBm min., -3 dBm max., Wavelength: 1260 nm min., 1360 nm max.
FIBER TYPE	9/125 μ m single-mode
SPEED	1250 Mbps
WAVELENGTH	1310 nm
OPERATING TEMPERATURE	-40 to +185° F (-40 to +85° C)
STORAGE RELATIVE HUMIDITY	5 to 95%
SUPPLY VOLTAGE	-0.5 to 4.0 V
SUPPLY VOLTAGE, OPERATING	3.1 to 3.5 V, 3.3 V typical
SUPPLY CURRENT, OPERATING	Up to 300 mA, 180 mA typical
DIMENSIONS	0.48"H x 0.59"W x 2.2"D (1.24 x 1.5 x 5.6 cm)
COMPLIANCE	Fiber Channel FC-PI 100-SM-LC-L, Class 1 Laser Safety standard IEC 825, IEEE 802.3 1000BASE-LX

DIMENSIONAL DIAGRAM



