



**GSFP-LX**

***FES 10G SFP Module***

**Overview:**

The SFP+ transceivers are high performance, cost effective modules supporting data rate of 10Gbps and 40km transmission distance with SMF. The transceiver consists of three sections: a DFB laser transmitter, a APD photodiode integrated with a trans-impedance preamplifier (TIA) and MCU control unit. All modules satisfy class I laser safety requirements. The transceivers are compatible with SFP Multi-Source Agreement and SFF-8472 digital diagnostics functions.

**Technical Specifications:**

**Header :**

**Brand : FES**

**Product Line : Forever Engineering Systems Pvt. Ltd.**

**Networking**

- o Type :SFP+ transceiver module
- o Form Factor :Plug-in module
- o Connectivity Technology :Wired
- o Cabling Type :Ethernet 10GBase-LX
- o Data Link Protocol :10 Gigabit Ethernet
- o Data Transfer Rate :10 GBps
- o Optical Wave Length/component:1310 nm
- o Max Transfer Distance :up to 60 km
- o Fibre Cable Type : Single Mode / Dual Mode Fiber
- o Core Size (Micron) : 125
- o Tx Power (dBm) : -10
- o Receiver Sensitivity (dBm) : -20

**Features:**

- o Supports up to 10.7Gbps bit rates
- o Hot-pluggable SFP+ footprint
- o 1270/1330nm DFB laser and APD photodiode, Up to 60km for SMF transmission
- o Compliant with SFP+ MSA and SFF-8472 with duplex LC receptacle
- o Compatible with RoHS
- o Single +3.3V power supply
- o Real Time Digital Diagnostic Monitoring
- o Operating case temperature:

**CORPORATE OFFICE**

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Data Communication



Optical Fiber



Tele Communication



IT Product & Services

## Interface Provided

- o Compliant with SFP+ MSA and SFF-8472 with duplex LC receptacle

## Applications :

- o 10Gbps Optical systems
- o 10GBASE-LR at 10.3125Gbps
- o 10GBASE-LW at 9.953Gbps
- o LTE systems
- o Other Optical links

## Environmental Parameters

- o Operating Temperature : 0 to 70°C
- o Humidity Range Operating :10 - 85%

## Compatibility

- o ALL MAKES Supported

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