

SFP+ Module

10G MMF 850nm 300M

Overview

Fiber-REX's FKSP8592L-03 is a very compact 10Gb/s optical transceiver module for serial optical communication applications at 10Gb/s. The KSP8592L-03 converts a 10Gb/s serial electrical data stream to 10Gb/s optical output signal and a 10Gb/s optical input signal to 10Gb/s serial electrical data streams. The high speed 10Gb/s electrical interface is fully compliant with SFI specification.

The high performance 850nm VCSEL transmitter and high sensitivity PIN receiver provide superior performance for Ethernet applications at up to 300m links.

The SFP+ Module compliant with SFF-8431, SFF-8432 and IEEE 802.3ae 10GBASE-SR. Digital diagnostics functions are available via a 2-wire serial interface, as specified in SFF-8472.

The fully SFP compliant form factor provides hot pluggability, easy optical port upgrades and low EMI emission.



Features

- Hot-pluggable SFP+ footprint
- Duplex LC/UPC type pluggable optical interface
- Metal enclosure, for lower EMI
- Up to 10Gb/s data links with DDM
- 850nm VCSEL transmitter, PIN photo-detector
- Up to 300M on 50/125µm MMF
- Low power dissipation
- RoHS compliant and lead-free
- Single +3.3V power supply
- SFF-8472, SFP+ MSA compliant
- Operating Temperature: 0°C to +70°C

Applications

- 10GBASE-SR/SW Ethernet
- SONET OC-192 / SDH
- 10G Fibre Channel
- Other Optical Links

Specifications

Vendor	Fiber-REX
P/N	FKS8592L-03
Data Rate	10G
Form Type	SFP+
Media Type	Multimode Fiber
Wavelength	850nm
Distance Reach	300M
Connector	LC Duplex
Source	VCSEL + PIN
Tx Power	-7.3 ~ -1 dBm
Rx Sens	-11.1 dBm
DDM Support	YES
Operating Temp.	0-70°C
Power Supply	+3.3V
Compliant	RoHS, CE, FCC
Warranty	3 Years