SFP Modules

3G-SDI OPTICAL DUAL RECEIVER

The SFP03FR2 is a dual channel PIN type receiver, capable of receiving two optical SDI signals up to 2.97Gbps.

Overview:

- SMPTE 424M, SMPTE 292M, SMPTE 259M and SMPTE 297 compliant
- Supports 3G-SDI, HD-SDI and SD-SDI video formats
- Integrated reclocker for optimum performance
- LC connectors
- Hot pluggable

Application:

- Electrical to Optical Interface
- Video Router
- Multi-format Distribution Amplifier

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SFP Modules

3G-SDI OPTICAL DUAL RECEIVER

Description:

The SFP03FR2 is a dual channel PIN type receiver, capable of receiving two optical SDI signals up to 2.97Gbps as defined in SMPTE 297.

The module is designed to support 3G-SDI, HD-SDI and SD-SDI video signals as defined in SMPTE 424M, SMPTE 292M, SMPTE 259M, and SMPTE 297. It also supports DVB-ASI at 270Mbps.

The SFP03FR2 contains a high performance reclocker to ensure that the SDI signal received is converted with optimum quality for high performance applications.

The SFP03FR2 is a hot pluggable device that allows easy upgrade and maintenance in the field. The module is fully interchangeable with other non-MSA SFP devices.

Ordering Information:

SFP03FR2	3G-SDI Optical Dual Receiver SFP Module

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Specification:

Power		915mW (typ), 1032mW (max)
Connector		LC
Serial Data Rate	SD	270Mbps, SMPTE 259M, C
	HD	1483Mbps and 1485Mbps, ST292M
	3G	2967Mbps and 2970Mbps, ST424M
Optical	Wavelength	1150nm (min), 1310nm (typ), 1600nm (max)
	Sensitivity	-21dBm (typ), -20dBm (max)
	Power Monitoring Accuracy	±2dB (typ), ±3dB (max)
	Maximum Back Reflection	-27 dBm (max)
	Optical Return Loss	-29 dBm (min)
	Maximum Input Power	+0dBm (min), +3dBm (typ)
	Timing Jitter Tolerance	6 UI (min)
	Alignment Jitter Tolerance	0.6 UI (min)
Environmental	Temperature	-40°C to +85°C
	Humidity	5% - 95% non-condensing
	ESD	1kV maximum, HBM

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