

FRONTNICHE

12G - 6G - 3G

The SFP03FR2 3G-SDI Optical SFP module is a dual channel PIN type receiver



Features:

- SMPTE 424M, SMPTE 292M, SMPTE 259M and SMPTE 297 compliant.
- Supports 3G-SDI, HD-SDI and SD-SDI video formats.
- Compatible with DVB-ASI.
- Integrated re-clocker for optimum performance.
- LC connectors.
- Hot-pluggable.

The SFP03FR2 3G-SDI Optical SFP module is a dual channel PIN type receiver, capable of receiving two optical SDI signals up to 2.97Gbps as defined in ST297.

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 3G-SDI Optical SFP module contains a high performance re-clocker to ensure that the SDI signal reception is done with optimum quality for high performance applications.

The SFP03FR2 3G-SDI Optical SFP module 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.

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Specifications are subject to change without prior notice. E&OE.

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| | | |
|-------------------|----------------------------|--|
| Power: | | 915mW (typ), 1032mW (max) |
| Connector: | | LC |
| Serial Data Rate: | SD | 270Mbps, ST259 |
| | HD | 1483Mbps and 1485Mbps, ST292 |
| | 3G | 2967Mbps and 2970Mbps, ST424 |
| 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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