

# FRONTNICHE

## 12G - 6G - 3G

The SFP03FT2 3G-SDI Optical SFP module is a dual channel FP type 1310nm transmitter



## 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 SFP03FT2, 3G-SDI Optical SFP module is a dual channel FP type 1310nm transmitter, capable of transmitting 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 SFP03FT2 3G-SDI Optical SFP module contains a high performance re-clocker to ensure that the SDI signal transmission done so with optimum quality for high performance applications.

The SFP03FT2 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.

Frontniche Ltd, Circuit Bureau Building, Unit 5 Factory Lane, Beeston, Nottingham, NG9 4AA.  
Tel: +44 (0)1949851486 Fax: +44(0)709262114 EM:  
[sales@frontniche.com](mailto:sales@frontniche.com) Web: [www.frontniche.com](http://www.frontniche.com)

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

# FRONTNICHE

## 12G - 6G - 3G

The SFP03FT2 3G-SDI Optical SFP module is a dual channel FP type 1310nm transmitter

### Specification

Power:		1082mW (typ), 1296mW (max)
Connector:		LC
Serial Data Rate:	SD	270Mbps, ST259
	HD	1483Mbps and 1485Mbps, ST292
	3G	2967Mbps and 2970Mbps, ST424
Optical:	Wavelength	1260nm (min), 1310nm (typ), 1360nm (max)
	Spectral Width (RMS)	1.5nm (typ), 3nm (max)
	Average Optical Output Power	-6dBm (min), -2.5dBm (typ), 0dBm (max)
	Extinction Ratio	5dB (min), 6dB (typ)
	Optical Rise Time	70ps (typ)
	Optical Fall Time	70ps (typ)
	Laser Power Monitoring	-1.5dB (min), +1.5dB (max)
Environmental:	Temperature	-40°C to +85°C
	Humidity	5% - 95% non-condensing
	ESD	1kV maximum, HBM

Frontniche Ltd, Circuit Bureau Building, Unit 5 Factory Lane, Beeston, Nottingham, NG9 4AA.

Tel: +44 (0)1949851486 Fax: +44(0)709262114 EM:

[sales@frontniche.com](mailto:sales@frontniche.com) Web: [www.frontniche.com](http://www.frontniche.com)

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