

FRONTNICHE

12G - 6G - 3G

The SFP12FT2 12G-SDI Optical SFP module is a dual channel FP type 1310nm transmitter



Features:

- ST297, ST2082 and ST2081 compliant.
- Supports 12-SDI, 6G-SDI, 3G-SDI, HD-SDI and SD-SDI video formats.
- Integrated re-clocker for optimum performance.
- LC connectors.
- Hot-pluggable.

The SFP12FT2, 12G-SDI Optical SFP module is a dual channel FP type 1310nm transmitter, capable of transmitting two optical SDI signals up to 11.88Gbps as defined in ST297.

The module is designed to support 12G-SDI as defined in ST2082 and 6G-SDI as defined in ST2081. The module is also compliant to 3G-SDI, HD-SDI and SD-SDI video standards.

The SFP12FT2 12G-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 SFP12FT2 12G-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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Specification

Power:		1315mW (typ) 1513mW (max)
Connector:		LC
Serial Data Rate:	SD	270Mbps, ST259
	HD	1483Mbps and 1485Mbps, ST292
	3G	2967Mbps and 2970Mbps, ST424
	6G	5934Mbps and 5940Mbps, ST2082
	12G	11868Mbps and 11880Mbps, ST2082
Optical:	Wavelength	1290nm (min), 1310nm (typ), 1315nm (max)
	Spectral Width (RMS)	2.4nm (typ), 4nm (max)
	Average Optical Output Power	-5dBm (min), -3dBm (typ), 0dBm (max)
	Extinction Ratio	5dB (min), 6dB (typ)
	Optical Rise Time	30ps (typ), 45ps (max)
	Optical Fall Time	43ps (typ), 55ps (max)
	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

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