

FRONTNICHE

12G - 6G - 3G

The SFP12BT2 12G-SDI SFP Coaxial module is a dual channel coaxial transmitter



Features:

- ST259, ST292, ST424, ST2081 and ST2082 compliant
- Supports 12-SDI, 6G-SDI, 3G-SDI, HD-SDI and SD-SDI video formats.
- Supports DVB-ASI at 270Mbps.
- Integrated re-clocker for optimum performance.
- Supports pathological patterns.
- HD-BNC connectors.
- Hot-pluggable.

The SFP12BT2 12G-SDI SFP Coaxial module is a dual channel coaxial transmitter, capable of transmitting two independent coaxial SDI signals up to 11.88Gbps.

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 compliant to ST259, ST292 and ST424.

The SFP12BT2 12G-SDI SFP Coaxial module has the benefit of a re-clocker to ensure that the SDI signal transmitted is with optimum quality for high performance applications.

The SFP12BT2 12G-SDI SFP Coaxial 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.

These units may also be used in other manufactures equipment provided that they do not lock their equipment and force their customers to use their (overpriced) equivalents.

The SFP12BT2 12G-SDI SFP Coaxial module is one module of a range of devices and interface standards.

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SPECIFICATION

Power:		820mW (typ), 1000mW (max)
Connector:		HD-BNC, 75Ω
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
SDI Output:	Output Voltage Swing	720mV p-p(min), 800mV p-p (typ), 880mV p-p (max)
	Output Return Loss	-15dB (min), -24 (typ) @ 0 - 1.5GHz
		-10dB (min), -15 (typ) @ 1.5GHz - 3GHz
		-7dB (min), -8.3 (typ) @ 3GHz - 6GHz
		-4dB (min), -7.8 (typ) @ 6GHz - 12GHz
	Output Jitter	SD: 0.08 UI p-p (typ)
		HD: 0.11 UI p-p (typ)
		3G: 0.21 UI p-p (typ)
		6G: 0.26UI p-p (typ)
		12G: 0.27UI p-p (typ)
	Rise Fall Time (10%-80%)	SD: 400ps (min), 800ps (max)
		HD to 12G: 33ps (min), 45ps (max)
	Mismatch in Rise/Fall Time	SD: 50ps (max)
		HD to 12G: 18ps (max)
Environmental:	Temperature	-40°C to +85°C
	Humidity	5% - 95% non-condensing
	ESD	1kV maximum, HBM

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