

FRONTNICHE

12G - 6G - 3G

The SFP12BR2 12G-SDI SFP Coaxial module is a dual channel coaxial receiver



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.
- Cable length and pathological DC restoration equalizer.
- Integrated re-clocker for optimum performance.
- Supports pathological patterns.
- HD-BNC connectors.
- Hot-pluggable.

The SFP12BR2 12G-SDI SFP Coaxial module is a dual channel coaxial receiver, capable of receiving 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 SFP12BR2 12G-SDI SFP Coaxial module contains a high performance automatic cable length and DC restoration equalizer for excellent pathological pattern support. The module also has the benefit of a re-clocker to ensure that the SDI signal received is converted with optimum quality for high performance applications.

The SFP12BR2 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.

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 Web: www.frontniche.com

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Specification

Power:		1030mW (typ), 1100mW (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 Input:	Input Voltage Swing	720mV p-p(min), 800mV p-p (typ), 950mV p-p (max)
	Input Return Loss	-15dB @ 0 -1.5GHz
		-10dB @ 1.5GHz -3GHz
		-7dB @ 3GHz -6GHz
		-4dB @ 6GHz -12GHz
	Input Jitter Tolerance	SD: A1 = 0.2 UI (min); A2 = 0.2 UI (min)
		HD: A1 = 1 UI (min), 10 UI (typ); A2 = 0.2 UI (min), 0.3 UI (typ)
		3G: A1 = 2 UI (min), 10 UI (typ); A2 = 0.2 UI (min), 0.3 UI (typ)
		6G: A1 = 2 UI (min), 12 UI (typ); A2 = 0.2 UI (min), 0.22 UI (typ)
	12G: A1 = 2 UI (min), 24 UI (typ); A2 = 0.2 UI (min), 0.21 UI (typ)	
Cable Length (Belden 1694A)	SD: 400m (max)	
	HD: 180m (max)	
	3G: 135m (max)	
	6G: 75m (max)	
	12G: 45m (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.