

## 8G/10G SFP MODULES SINGLE MODE

### Overview

The BSD-SFP851 transceiver is designed for 10Gb/s serial optical interfaces for data communications with single mode fiber (SMF) 1310nm. The transceiver can support 1.25 Gb/s to 11.1Gb/s. It is designed to optimize high performance and it is costly effective for customers' solution in datacom.

### Key Features

- Hot pluggable
- 10Gb/s serial optical interface (also available 8 Gb/s)
- Up to 10 km distance
- Compliant with SFP+MSA
- SFP MSA package with duplex LC connector
- Digital Diagnostic Monitor Interface
- Very low EMI and excellent ESD protection
- High transmission margin
- +3.3V single power supply
- Below 1.5W power consumption
- SFP mechanical interface
- Wide data-rate range
- SFP-8472 reversion 9.5 compliant
- IEEE802.3-2005 compliant
- Telcordia GR-468-CORE compliant
- FCC47 CFR Part 15, Class B compliant
- FDA 21CFR 1040.10 and 1040.11, class 1 compliant
- **CISCO and other brands coding available**



### Specifications

Parameter	Minimum	Maximum	Unit
Storage Temperature(TST)	-40	+85	°C
Operating Temperature(TOP)	0	+70	°C
Supply Voltage(VCC)	-0.5	4.0	V
Supply Current (Icc)		400	mA
Data rate LR			10.3125Gb/s
Data rate LW			9.953Gb/s
Operating Relative Humidity	5	85	%

### Ordering Information

<b>BSD-SFP311/8G</b>	SFP, 8G 1310nm SFP Module, SM 10km
<b>BSD-SFP311</b>	SFP, 10G 1310nm SFP Module, SM 10km