

SFPB 10-1032 Bidirectional SFP+ Transceiver 10G | 10 km | TX 1330 nm/RX 1270 nm



- ✓ Operating data rate up to 11.3 Gbps
- ✓ Single +3.3 V $\pm$ 5 % power supply
- ✓ LC single connector
- ✓ Hot pluggable 20 pin connector
- ✓ Digital Monitoring SFF-8472 Rev. 10 compliant
- ✓ Compliant to SFP+ MSA
- ✓ PIN Rx photo diodes
- ✓ 9/125 μ m SMF (single mode fibre)
- ✓ Operation with suitable SFP+ transceiver

Order information

Type	SFPB 10-1032
Order no.	SFPB101032
GTIN	7611682008388
PE	1
VE	1
EU customs tariff number	85176200

Technical data

Transmitter	
Wavelength	1320 ... 1340 nm
Bandwidth@-20dB	$\leq$ 1 nm
Optical Output Power	-8.2 ... 0.5 dBm
Extinction Ratio (ER)	$\geq$ 3.5 dB
SMSR	$\geq$ 30 dB
Receiver	
Wavelength	1260 ... 1280 nm
Sensitivity	-14.4 dBm*
Overload Input	$\geq$ 1 dBm
LOSA	$\geq$ -38 dBm
LOSD	$\leq$ -30 dBm
Hysteresis	0.5 ... 5 dB**
Data transmission	
Bit rate	10.3 Gb/s
BER	$< 10^{-12}$
Applications	10GBASE-LR/LW 10G Ethernet OBSAI (3.072 Gb/s, 6.144 Gb/s) CPRI (2.4576 Gb/s, 4.9152 Gb/s, 6.144 Gb/s, 9.8304 Gb/s)
Compliances	IEEE 802.3ae SFF-8431 Rev 4 SFF-8472 Rev 10
General	
Operating temperature range	0 ... 70 °C
Storage temperature range	-40 ... +85 °C
Operating humidity (non-condensing)	5 ... 95 %
Operating voltage	3.14 ... 3.46 V
Comments	* Measured with a PRBS 2E31-1 test pattern, @10.3 Gb/s, EX = 5 dB, BER $< 10^{-12}$. ** The LOS Hysteresis to minimize "chatter" on the output line. In principle, hysteresis alone does not guarantee chatter-free operation.

Suitable products

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OAK 1-04 Optic cable steel armoured | LC/UPC | 1 m

OAK 5-04 Optic cable steel armoured | LC/UPC | 5 m

OAK 10-04 Optic cable steel armoured | LC/UPC | 10 m

OAK 100-04 Optic cable steel armoured | LC/UPC | 100 m

OAK 500-04 Optic cable steel armoured | LC/UPC | 500 m

OAK 1-43 Optical adapter cable | LC/UPC - SC/APC | 1 m

OZU 1-04 Optical joint LC/UPC