SFPB 10-1023 Bidirectional SFP+ Transceiver 10G | 10 km | TX 1270 nm | RX 1330 nm



- ✔ Operating data rate up to 11.3 Gbps
- ✔ Single +3.3 V ± 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 µm SMF (single mode fibre)
- ✔ Operation with suitable SFP+ transceiver

Order information

Type	SFPB 10-1023
Order no.	SFPB101023
GTIN	7611682008371
PE	1
VE	1
EU customs tariff number	85176200

Technical data

Transmitter	
Wavelength	1260 … 1280 nm
Bandwidth@–20dB	≤ 1 nm
Optical Output Power	–8.2 … 0.5 dBm
Extinction Ratio (ER)	≥ 3.5 dB
SMSR	≥ 30 dB
Receiver	
Wavelength	1320 … 1340 nm
Sensitivity	–14.4 dBm*
Overload Input	≥ 1 dBm
LOSA	≥ –38 dBm
LOSD	≤ –30 dBm
Hysteresis	0.5 … 5 dB**
Data transmission	
Bit rate	10.3 Gb/s
BER	< 10E–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 < 10E–12. ** The LOS Hysteresis to minimize "chatter" on the output line. In principle, hysteresis alone does not guarantee chatter-free operation.

Suitable products

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