

50G Single Lambda Bidi TRX

Description

Enabled by QXP unique PIC technology, wavelengths used for bidirectional communication over one fiber are within single 1310nm band. The Bidi transceivers are normalized to one type. The product has neglectable bidirectional time delay difference and variation. The single lambda Bidi TRX dramatically reduces cost of deployment and OAM.



Key Features

- ✧ Bidirectional QSFP28 transceiver
- ✧ Working wavelength: Single 1310nm band
- ✧ Reach : 10km and 40km
- ✧ 50GAUI-2 serial electrical interface
- ✧ Optical 26.56GBaud PAM4
- ✧ I2C management interface
- ✧ Power dissipation $\leq 4.5W$
- ✧ ROHS 2.0 Complaint

Applications

- ✧ Wireless Fronthaul, middle-haul and backhaul
- ✧ Data Center
- ✧ Ethernet

50G Single Lambda Bidi Main Specifications

Type	Reach (km)	Bit Rate (Gbaud)	Tx OMA (dBm)	working Wavelength (nm)	TDECQ (dB)	Extinction Ratio (dB)	Rx Sensitivity @ 2.4e-4 (dBm)
50G LR	10	26.5625	-1.5~+4	1310	≤ 3.2	≥ 3.5	≤ -8.4
50G ER	40	26.5625	3.4~7.4	1310	≤ 3.2	≥ 6	≤ -15.1