

BIDI-25G-SFP28-80B

Optical Transceivers



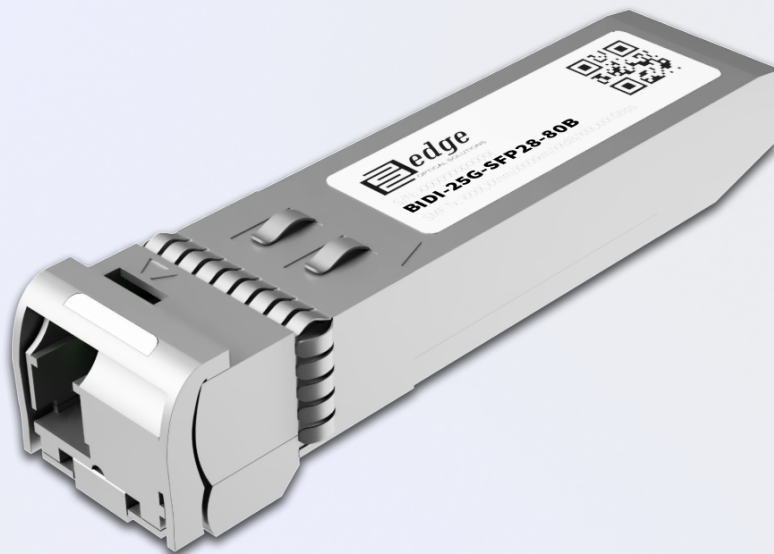
$\lambda = 1309.14 / 1295.56 \text{ nm}$



Fiber Type: OS2 Fiber



Single LC



OB 31 dB



Max 80 km



FEC



$PC \leq 2.2W$

Product description

BIDI-25G-SFP28-80B is a Tx:1309.14nm Rx:1295.56nm BIDI 25GBASE-ZR 80km Multi-Vendor MSA Compatible SFP28 (Small Form-Factor Pluggable 28) Transceiver, operating over Single Fiber Single-Mode Fiber (SMF) optical cable. It has minimum guaranteed optical budget of 31 dB, which in most cases is enough to reach 80 km over OS2 fiber with FEC. However, distance is just indicative parameter for comfort of identification that is calculated by taking into account minimal optical budget and average attenuation of optical cabling in industry. BIDI-25G-SFP28-80B uses top quality EML transmitter and 25Gb/s PIN photodiode receiver. BIDI-25G-SFP28-80B BIDI 25GBASE-ZR 80km supports DDM/DOM optical diagnostics, operates in Standard 0°-70°C temperature range and has Single LC interface. BIDI-25G-SFP28-80B BIDI 25GBASE-ZR 80km SFP28 support 8.5-28.1 Gbps data rate and is designed for 25G Ethernet (25.78 Gbps) and 10G Ethernet (10.31 Gbps) applications. BIDI-25G-SFP28-80B BIDI 25GBASE-ZR 80km SFP28 transceiver is CE/RoHS certified and is compliant with product safety standards. BIDI-25G-SFP28-80B is fully compliant to SFF-8431 and SFF-8472 Multi Source Agreement (MSA), IEEE 802.3by 25 Gb/s specification.

Product Specification:

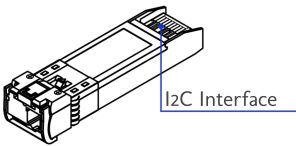
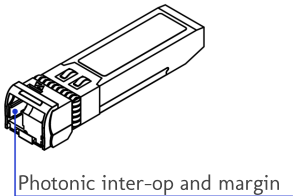
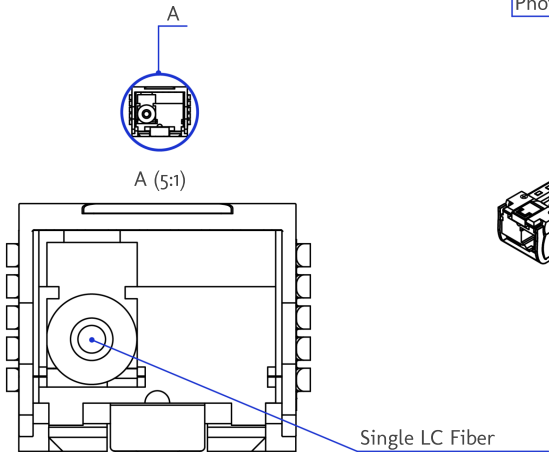
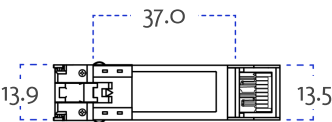
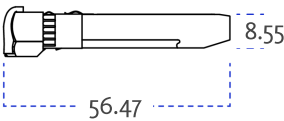
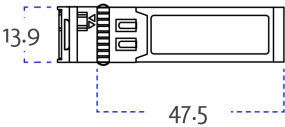
Media Type:	Single-Mode Fiber (SMF)
Connectors:	Single LC
TX Wavelength:	1309.14 nm
RX Wavelength:	1295.56 nm
Minimum Optical Budget:	31 dB
Maximum Distance:	80 km
Supported Data Rate:	8.5 - 28.1 Gbps
Supported Applications:	25G Ethernet, 10G Ethernet

Product Specification:

DDM/DOM:	Supported
Forward Error Correction (FEC):	Host FEC Supported
Transmitter Type:	EML Laser
Tx Wavelength Bandwidth:	2.1 nm
Average Launch Power (Min) Each Lane:	2 dBm
Average Launch Power (Max) Each Lane:	7 dBm
Extinction Ratio (Min):	8 dB
Receiver Type:	PIN photodiode
Rx Wavelength Bandwidth:	2.1 nm
Avg Receiver Sensitivity(Min)Each Lane:	-29 dBm
Avg Receiver Sensitivity(Max)Each Lane:	-6 dBm
Receiver Overload:	-5 dBm
Temperature Range:	Standard 0°-70°C
Storage Temperature:	-40° to 85°C
Relative Humidity:	5 to 85%
Power Consumption:	≤2.2W
Power:	3.3V
Compliance:	SFF-8472, SFP28 MSA, SFF-8431, SFF-8432, CE, RoHS

Mechanical Dimensions

*The dimensions are given in millimetres [mm]



Warranty

EDGE Optic's provides a limited warranty for **sixty (60) months** from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship.



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