

BIDI-25G-SFP28-40AI

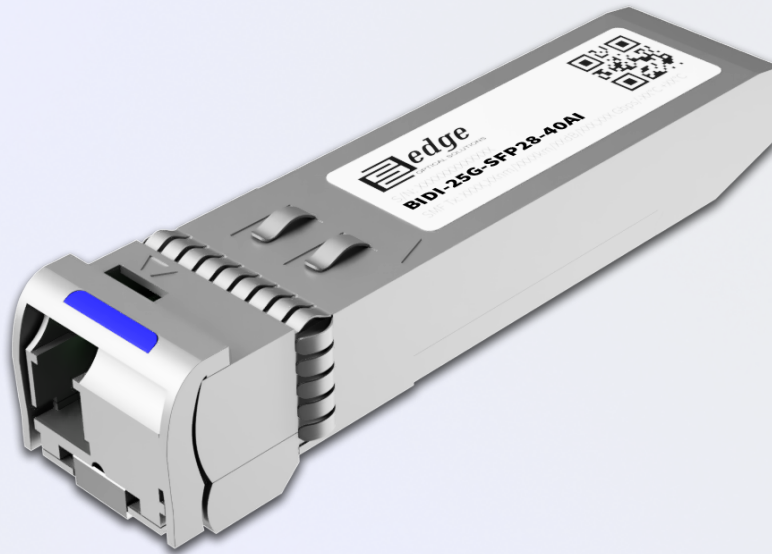
Optical Transceivers

 $\lambda = 1270 / 1310 \text{ nm}$ 

Fiber Type: OS2 Fiber



Single LC



OB 19 dB



Max 40 km



FEC

 $PC \leq 1.5W$

Product description

BIDI-25G-SFP28-40AI is a Tx:1270nm Rx:1330nm BIDI 25GBASE-ER 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 19 dB, which in most cases is enough to reach 40km over OS2 fiber. 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-SFP28-40AI uses top quality DML transmitter and 25Gb/s APD (Avalanche photodiode) receiver. BIDI-25G-SFP28-40A BIDI 25GBASE-ER supports DDM/DOM optical diagnostics, operates in Industrial -40°C – +85°C temperature range and has Single LC interface. BIDI-25G-SFP28-40AI BIDI 25GBASE-ER 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-SFP28-40AI BIDI 25GBASE-ER SFP28 transceiver is CE/RoHS certified and is compliant with product safety standards. BIDI-25G-SFP28-40AI is fully compliant to SFF-8431 and SFF-8472 Multi Source Agreement (MSA), IEEE 802.3by 25 Gb/s specification.

Product Specification:

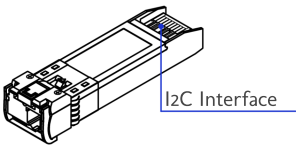
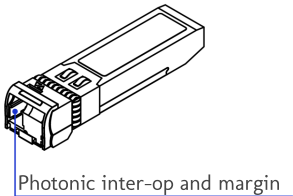
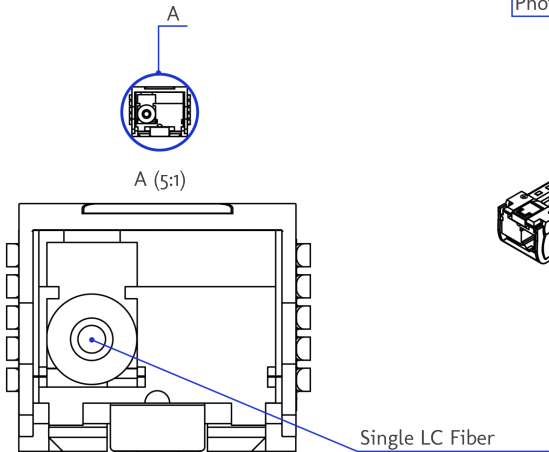
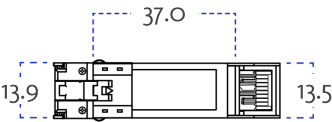
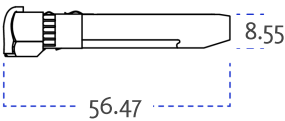
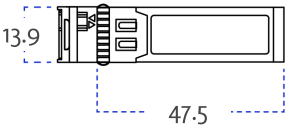
Media Type:	Single-Mode Fiber (SMF)
Connectors:	Single LC
TX Wavelength:	1270 nm
RX Wavelength:	1310 nm
Minimum Optical Budget:	19 dB
Maximum Distance:	40 km
Supported Data Rate:	8.5 - 28.1 Gbps
Supported Applications:	25G Ethernet, 10G Ethernet

Product Specification:

DDM/DOM:	Supported
Forward Error Correction (FEC):	Host FEC Supported
Transmitter Type:	DML Laser
Tx Wavelength Bandwidth:	20 nm
Average Launch Power (Min) Each Lane:	0 dBm
Average Launch Power (Max) Each Lane:	6 dBm
Extinction Ratio (Min):	3.5 dB
Receiver Type:	APD photodiode
Rx Wavelength Bandwidth:	20 nm
Avg Receiver Sensitivity(Min)Each Lane:	-19 dBm
Avg Receiver Sensitivity(Max)Each Lane:	-5 dBm
Receiver Overload:	-5 dBm
Temperature Range:	Industrial -40°C – +85°C
Storage Temperature:	-40° to 85°C
Relative Humidity:	5 to 85%
Power Consumption:	≤1.5W
Power:	3.3V
Compliance:	Class I laser safety, SFF-8472, SFP28 MSA, CPRI Option 10/eCPRI, 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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