

# 25GFH-SFP28-40

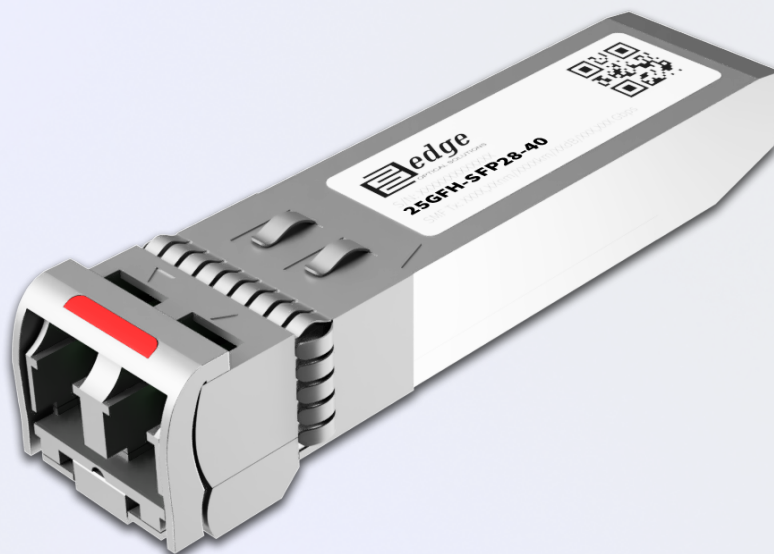
Optical Transceivers


 $\lambda = 1310 \text{ nm}$ 


Fiber Type: OS2 Fiber



Double LC



OB 19 dB



Max 40 km



FEC


 $PC \leq 1.5W$ 

## Product description

25GFH-SFP28-40 is a 25GBASE-ER Multi-Vendor MSA Compatible SFP28 (Small Form-Factor Pluggable 28) Transceiver, operating over Double Fiber Single-Mode Fiber (SMF) optical cable. It has minimum guaranteed optical budget of 19 dB, which in most cases is enough to reach 40 km 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. 25GFH-SFP28-40 uses top quality DML transmitter and 25Gb/s APD (Avalanche photodiode) receiver. 25GFH-SFP28-40 25GBASE-ER supports DDM/DOM optical diagnostics, operates in Standard 0°-70°C temperature range and has Double LC interface. 25GFH-SFP28-40 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. 25GFH-SFP28-40 25GBASE-ER SFP28 transceiver is CE/RoHS certified and is compliant with product safety standards. 25GFH-SFP28-40 is fully compliant to SFF-8431 and SFF-8472 Multi Source Agreement (MSA), IEEE 802.3by 25 Gb/s specification.

## Product Specification:

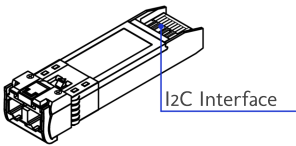
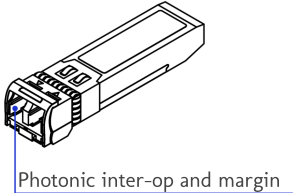
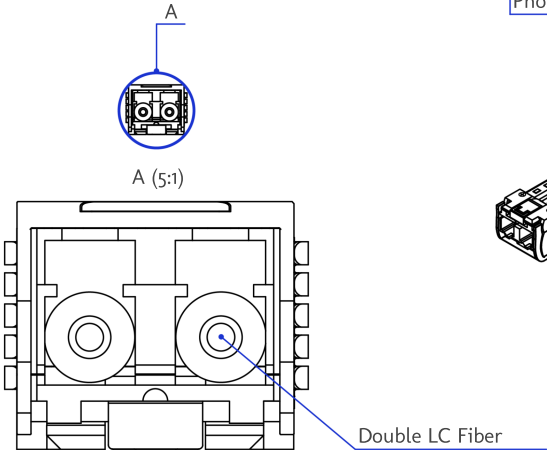
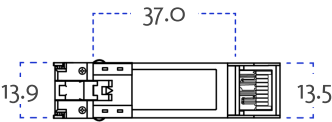
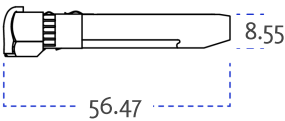
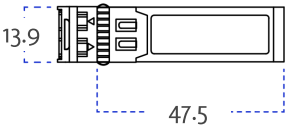
|                         |                            |
|-------------------------|----------------------------|
| Media Type:             | Single-Mode Fiber (SMF)    |
| Connectors:             | Double LC                  |
| TX Wavelength:          | 1310 nm                    |
| RX Wavelength:          | 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:                | 30 nm   |
| Average Launch Power (Min) Each Lane:   | 0 dBm   |
| Average Launch Power (Max) Each Lane:   | 6 dBm   |
| Extinction Ratio (Min):                 | 4 dB  |
| Receiver Type:                          | APD photodiode  |
| Rx Wavelength Bandwidth:                | 30 nm   |
| Avg Receiver Sensitivity(Min)Each Lane: | -19 dBm   |
| Avg Receiver Sensitivity(Max)Each Lane: | -5 dBm  |
| Receiver Overload:                      | -3 dBm  |
| Temperature Range:                      | Standard 0°-70°C  |
| Storage Temperature:                    | -40° to 85°C  |
| Relative Humidity:                      | 5 to 85%  |
| Power Consumption:                      | ≤1.5W   |
| Power:                                  | 3.3V  |
| Compliance:                             | 25GBASE-ER, Class I laser safety, SFF-8472, IEEE 802.3cc, 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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