

# DWDM-25G-SFP28-15P-XX

Optical Transceivers


 $\lambda$  = C-band DWDM


Fiber Type: OS2 Fiber



Double LC



OB 19 dB



Max 15 km



FEC


 $PC \leq 2W$ 

## Product description

DWDM-25G-SFP28-15P-XX is a DWDM Ch. 21 to Ch. 60 (1560.61 nm – 1529.55 nm) 25GBASE-LR 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 with FEC and 14 dB without it, which in most cases is enough to reach 15 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. DWDM-25G-SFP28-15P-XX uses top quality EML transmitter and 25Gb/s APD photodiode receiver. DWDM-25G-SFP28-15P-XX DWDM 25GBASE-LR supports DDM/DOM optical diagnostics, operates in Standard 0°-70°C temperature range and has Double LC interface. DWDM-25G-SFP28-15P-XX DWDM 25GBASE-LR 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. DWDM-25G-SFP28-15P-XX DWDM 25GBASE-LR SFP28 transceiver is CE/RoHS certified and is compliant with product safety standards. DWDM-25G-SFP28-15P-XX is fully compliant to SFF-8431 and SFF-8472 Multi Source Agreement (MSA), IEEE 802.3by 25 Gb/s specification.

## Product Specification:

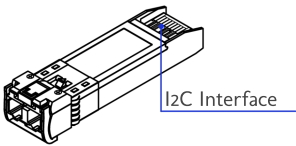
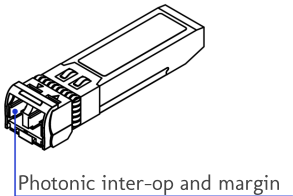
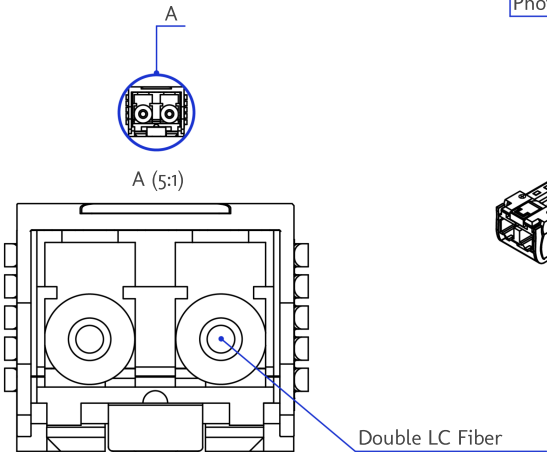
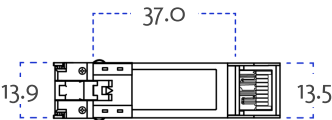
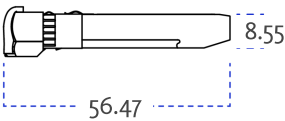
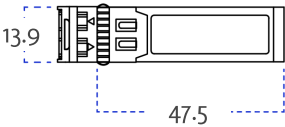
|                         |                                |
|-------------------------|--------------------------------|
| Media Type:             | Single-Mode Fiber (SMF)        |
| Connectors:             | Double LC                      |
| TX Wavelength:          | ITU-T DWDM Grid 100 GHz C-Band |
| RX Wavelength:          | ITU-T DWDM Grid 100 GHz C-Band |
| Minimum Optical Budget: | 19 dB with FEC   14 dB w/o FEC |
| Maximum Distance:       | 15 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:                | 0.8 nm (100GHz)   |
| Average Launch Power (Min) Each Lane:   | 0 dBm   |
| Average Launch Power (Max) Each Lane:   | 5 dBm   |
| Extinction Ratio (Min):                 | 6 dB  |
| Receiver Type:                          | APD photodiode  |
| Rx Wavelength Bandwidth:                | 0.8 nm (100GHz)   |
| Avg Receiver Sensitivity(Min)Each Lane: | -19 dBm   |
| Avg Receiver Sensitivity(Max)Each Lane: | -7 dBm  |
| Receiver Overload:                      | -7 dBm  |
| Temperature Range:                      | Standard 0°-70°C  |
| Storage Temperature:                    | -40° to 85°C  |
| Relative Humidity:                      | 5 to 85%  |
| Power Consumption:                      | ≤2W   |
| Power:                                  | 3.3V  |
| Compliance:                             | 25GBASE-LR, SFP28 MSA, SFF-8472, IEEE 802.3, 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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