

OPTICO 100G 4CH LWDM Module Datasheet

LAN-WDM WDM is designed to help network operators build the fiber base for 5G networks.



• Description

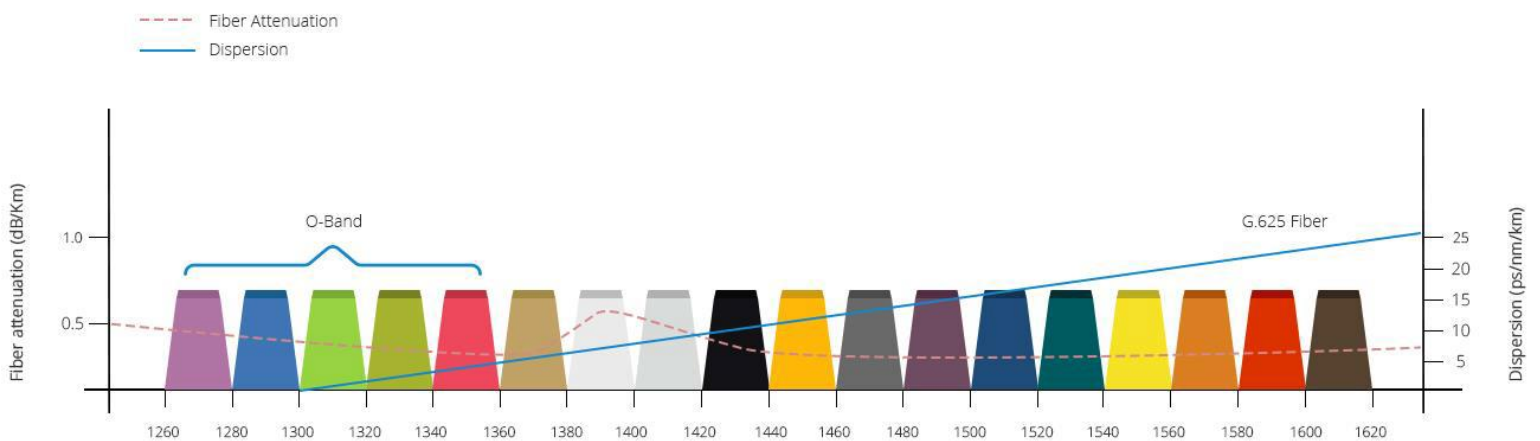
LAN-WDM WDM is designed to help network operators build the fiber base for 5G networks. Equipped with a sealed joint/distribution box, it can be used in any outdoor environment, effectively reducing the necessary maintenance and inspection work in the field. OPTICO's LWDM modules are available in 100G/200G/400G/800G options and offer high stability and reliability.

• Advantages

- Four channels are merged/separated through the LAN WDM interval
- High channel isolation
- High reliability and stability
- 100% tested by YOKUGAWA high Precision Spectrometer
- 100G/200G/400G/800G are available

• Low Dispersion Wavelengths(Unit: nm)

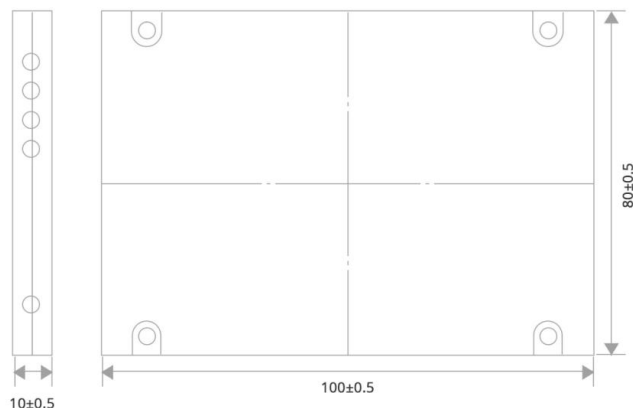
- The LAN-WDM wavelengths are more tightly spaced than CWDM wavelengths, and are located nearly at the zero-dispersion wavelength of the fiber (ITU-T G.652 fiber). This wavelength allocation enables signal transmission without restricted by fiber dispersion.



• Specifications:

| Parameters | | 4CH LWDM Module |
|---------------------------|------------------------|----------------------------------|
| Center Wavelength (nm) | | 1291.10/1295.56/1300.05/1304.58 |
| Operation Bandwidth(nm) | | ITU±1.1 |
| Operating wavelength(nm) | | 1260-1620 |
| Isolation (dB) | Adjacent isolation | ≥25 |
| | Non-adjacent isolation | ≥30 |
| IL(dB) | | ≤1.5 |
| Channel Ripple(dB) | | ≤0.5 |
| PDL (ps) | | ≤0.15 |
| RL(dB) | | >45 |
| Directivity(dB) | | >45 |
| Maximum Optical Power(mw) | | 500 |
| Fiber type | | 0.9mm loose tube |
| Package Dimension(mm) | | ABS 100*80*10mm(Or as requested) |
| Connector | | SC/APC or LC/UPC or as requested |
| Temperature(°C) | | -40~+85 |

• Dimensions:



Dimensions (HxWxD): 10x 80x 100mm

• Tips:

Due to the COVID-19, sorry that you and our team couldn't visit face to face with each other. In order to make the customers know us more, please visit our VR factory, it is just like you were really standing in our factory. OPTICO Fiber Assemblies Production Line VR :<https://www.linkedin-reality.com/company/15555/en>