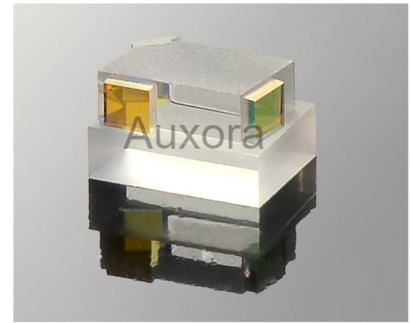


## WDM Bidirectional Optical Sub-Assembly Core

Auxora's WDM Bidirectional Optical Sub-Assembly Core (WDM BOSA Core) is an internal vertically-integrated products using precision optical thin film filters and micro-optic structure. It is designed and manufactured in house with our proprietary processes including optical thin film coating, precision dicing and polishing, micro-optic assembly, and high-volume automatic assembly manufacturing. This WDM BOSA Core can be used to Mux/Demux two optical LAN WDM channels/wavelengths into a single-mode fiber, with channel spacing of 13.58nm, each transmitting at 50Gb/s or higher speed signals.



The WDM BOSA Core is Telcordia-1221/1209-CORE compliant and are commercially available in various sub-assembly configurations.

### *FEATURES*

- Compact Size
- Low Insertion Loss & Low PDL
- Excellent Channel Uniformity
- Wide pass band & High channel isolation
- Exceptional reliability and stability
- Telcordia GR-1221/1209-CORE Compliant

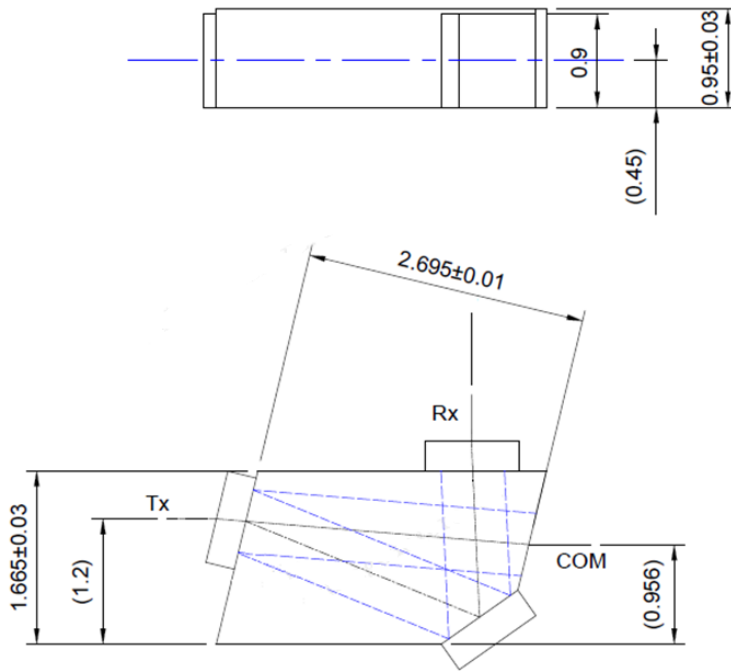
### *APPLICATIONS*

- 50G or higher speed WDM Bidirectional Transceivers
- Other Ultra High Speed Transceivers

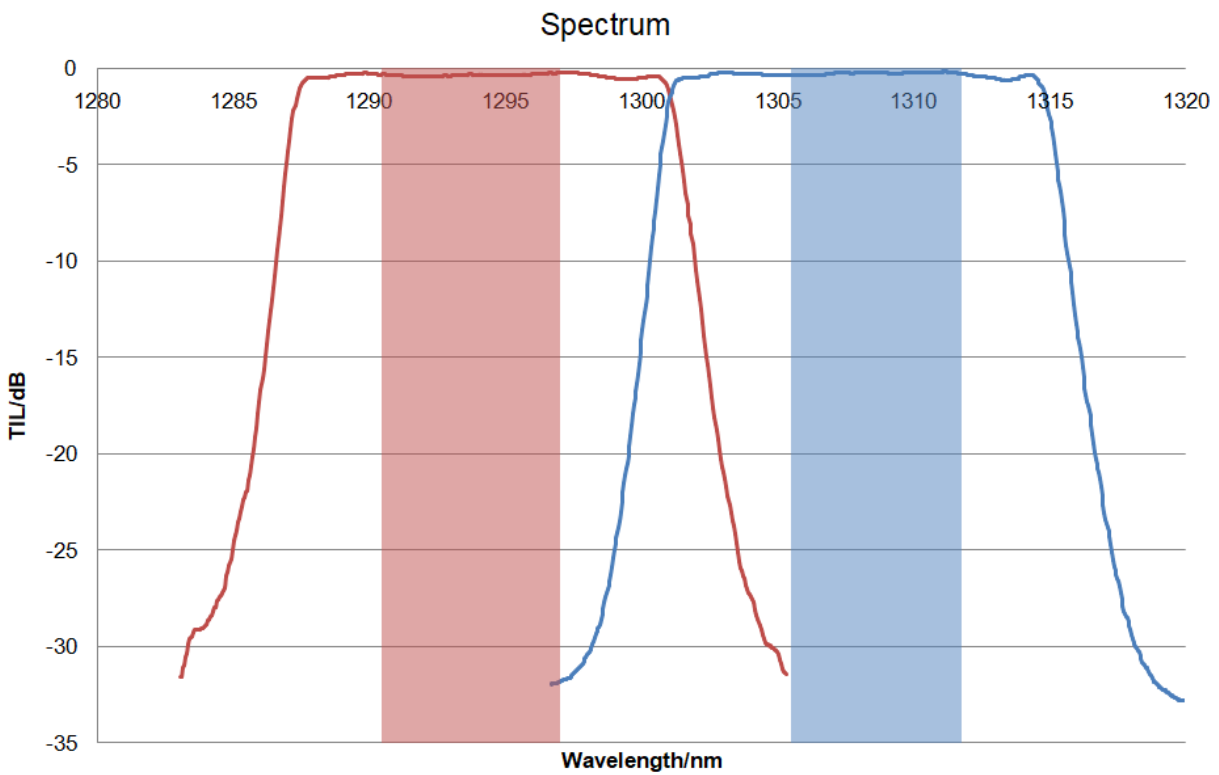
### *SPECIFICATIONS*

Parameters	Unit	Specifications
Tx/Rx Center Wavelength	nm	1295.56
Rx/Tx Center Wavelength	nm	1309.14
Tx Passband	nm	1291~1297.5
Rx Passband	nm	1305~1311
Insertion Loss @ passband	dB	≤0.8
IL Uniformity	dB	≤0.6
Isolation@ adjacent channel	dB	≥ 30
Ripple @ passband	dB	≤0.4
Polarization Dependent Loss@ passband	dB	≤0.3
Operation Temperature	°C	-5~85
Storage Temperature	°C	- 40 ~ + 85

**Package Dimensions (mm):**



**Spectrum:**



**Ordering Information:**

- If you have any requirements for this product, please contact us.  
[sales@auxora.com](mailto:sales@auxora.com) or [saleschina@auxora.cn](mailto:saleschina@auxora.cn)