

160-Channel 50GHz DWDM Module

Our 160 channel 50GHz DWDM module is a complete set of module and component necessary to build high-capacity 1.6Tb/s fiber optic telecommunications systems. It is fully upgradeable, scalable, compact and athermal and offers designers a high degree of flexibility due to its small size and athermal characteristics. The system is bi-directional and may be employed as either a multiplexer or demultiplexer. This product is epoxy-free in the optical path and Telcordia GR-1221 tested.

Features of our DWDM-160:

- Epoxy-free in the optical path
- Athermal - no power consumption
- Compact, massively scalable
- Custom made to specifications
- Excellent stability and reliability

Applications for our DWDM-160:

- Ultra long haul, long haul and metro
- Ring and mesh

Specifications:

Channel Space	Ghz	50
Channel number		160
Central Wavelength	nm	C+L Band, ITU-T Grid
Passband Width@0.5dB	nm	≥ 0.1
Passband Flatness	dB	≤ 0.5
Insertion Loss	dB	Typ. 8.5, Max. 9.0
Uniformity	dB	1.0
Adjacent Channel Isolation	dB	≥ 25
Non-adjacent Channel Isolation	dB	≥ 30
Directivity	dB	≥ 50
Wavelength Thermal Stability	nm/°C	≤ 1

Insertion Loss Thermal Stability	dB/°C	≤ 0.008
Polarization Dependent Loss	dB	≤ 0.2
Return Loss	dB	≥ 45
Operation Temperature	°C	0 ~ 65
Storage Temperature	°C	-40 ~ +85

Ordering information:

- Monitor wavelength: C-band monitor wl: 1510nm, L-Band monitor wl:1625nm, No monitor wavelength, customer request
- Start wavelength C-band: ITU-T grid
- Cable diameter: 0.9mm
- Fiber length: 0.5m, customer request
- Input/output: none, FC/PC, FC/APC, SC/PC, SC/APC, LC/PC, MU/PC, customer request
- Application type: Mux, Demux

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing sales2@o-eland.com