



200GHz 16-Channel Dense Wavelength Division Multiplexer

AC Photonics' 200GHz Dense Wavelength Division Multiplexer (DWDM) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging to achieve optical add and drop at the ITU wavelengths. It provides ITU channel center wavelength, low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path . It can be used for wavelength add/drop in telecommunication network system. All AC Photonics' products are Telcordia qualification tested.



Features

- 200GHz ITU Channel Spacing
- Low Insertion Loss
- Wide Pass Band
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

Applications

- Channel Add / Drop
- DWDM Network
- Wavelength Routing
- Fiber Optical Amplifier
- CATV Fiberoptic System

Performance Specifications

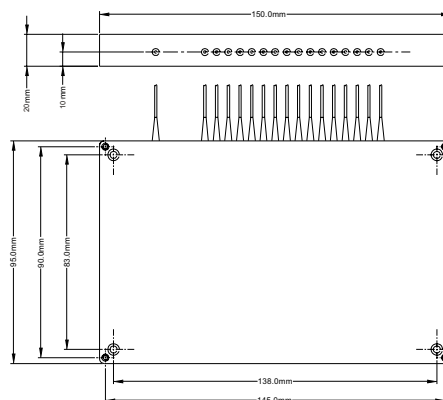
| Parameter | MUX | DEMUX |
|---|------------------|-------|
| Channel Wavelength (nm) | ITU 100 GHz Grid | |
| Center Wavelength Accuracy (nm) | ± 0.1 | |
| Minimum Channel Spacing (GHz) | 200 | |
| Channel Passband (@-0.5dB bandwidth) (nm) | 0.5 | |
| Insertion Loss (dB) | ≤ 3.8 | |
| Channel Ripple (dB) | ≤ 0.4 | |
| Isolation @ Add/Drop Channel (dB) | Adjacent | N/A |
| | Non-adjacent | N/A |
| Channel Uniformity (dB) | ≤ 1.5 | |
| Insertion Loss Temperature Sensitivity (dB/ °C) | ≤ 0.003 | |
| Wavelength Temperature Shifting (nm/°C) | ≤ 0.002 | |
| PDL (dB) | ≤ 0.15 | |
| Polarization Mode Dispersion (ps) | ≤ 0.1 | |
| Directivity (dB) | ≥ 50 | |
| Return Loss (dB) | ≥ 45 | |
| Power Handling (mW) | 300 | |
| Operating Temperature (°C) | 0 ~ +70 | |
| Storage Temperature (°C) | -40 ~ +85 | |
| Dimensions (mm) | L150xW95xH20 | |

Specifications may change without notice.
200GHz custom channel plans also available.

Ordering Information

| DWDM | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
|------|--------------------------|---|--------------------------|--|---|--------------------------|--|
| | Channel Spacing | Number of Channel | Configuration | 1st ITU Channel | Pigtail Style | Fiber Length | In/Out Connector |
| | 2=200GHz | 16=16 Channel | M=MUX D=DEMUX | C21=1560.61nm C23=1558.98nm | 1=Bare Fiber 2=900um Jacket 3=3mm Cable | 1=1m 2=2m | 0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC |

Dimensions



Spectral Chart

