

100GHz DWDM Device



Applications

- long haul DWDM system
- Metro DWDM system
- Access/enterprise networks
- Denser channel plans(50GHz,by interleave)
- Test bench/system

Features

- Exceptional reliability and environmental stability
- Low PDL
- Flat and wide passband
- High demux channel isolation
- Customizable with tap

Specifications

| Parameter | MUX / DEMUX | |
|---|------------------------------------|------|
| Channel Wavelength (nm) | ITU Grid | |
| Central wavelength Accuracy (nm) | ±0.5 | ±0.1 |
| Channel Spacing (G) | 100 | 200 |
| Channel Passband@0.5dB (nm) | ≥0.22 | ≥0.5 |
| Pass Channel Insertion Loss (dB) | ≤1.0 | ≤0.9 |
| Reflection Channel Insertion Loss (dB) | ≤0.6 | ≤0.6 |
| Channel Ripple (dB) | <0.3 | |
| Insertion Loss Temperature Sensitivity (dB/ °C) | <0.005 | |
| Wavelength Temperature Shifting (dB/ °C) | <0.002 | |
| Polarization Dependent Loss (dB) | <0.1 | |
| Polarization Mode Dispersion (dB) | <0.1 | |
| Adjacent channel isolation (dB) | ≥30 | |
| Non-adjacent channel isolation (dB) | ≥40 | |
| Return Loss (dB) | ≥45 | |
| Directivity (dB) | ≥50 | |
| Operation temperature (°C) | -5~+70 | |
| Storage temperature (°C) | -40~+85 | |
| package (mm) | Φ5.5x34 (L38 for 900um Loose tube) | |

Above specification are for device without connector.

Ordering Information

| Product | ITU | Fiber Type | Fiber Length | In/out Connector |
|---------|--------------------------------------|--|----------------|--|
| | 50=50GHz 100=100GHz 200=200GHz | 09=0.9mm 10=1.0mm 20=2.0mm 30=3.0mm | 1=1 m 2=2 m | 0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC |