

Athermal AWG DWDM Module

AAWG module is based on the silica on silicon technology and no electrical power is required. The product offers high stability and reliability, and has small package size.

The product is Telcordia GR-1221-CORE qualified, and RoHS compliant.



Applications

WDM transmission
Metro and long haul network

Features

Athermal design operates over operating temperature range
Large channel number
Compact size
High stability and reliability
Low insertion loss, high isolation increase system margin

Specifications

| Parameter | Unit | Value | |
|-----------------------------------|---------------|-----------|------|
| Channel Spacing | GHz | 100 | |
| Channel Number | | 40 | |
| Wavelength Accuracy | nm | ±0.05 | |
| 1dB Pass Band | nm | ≥0.38 | |
| 3dB Pass Band | nm | ≥0.58 | |
| Insertion Loss ¹ | dB | ≤5.5 | |
| Ripple | dB | ≤0.5 | |
| Uniformity | dB | ≤1.5 | |
| Adjacent Crosstalk | dB | ≥23 | |
| Non-adjacent Crosstalk | dB | ≥30 | |
| Total Crosstalk | dB | ≥21 | |
| Polarization Dependent Loss(PDL) | dB | ≤0.5 | |
| PMD ² | ps | ≤0.5 | |
| Chromatic Dispersion ² | ps/nm | ±20 | |
| Return Loss | dB | ≥40 | |
| Fiber | Input Port | mm | Φ0.9 |
| | Output Ribbon | - | - |
| | Fan Out | mm | Φ0.9 |
| Operation Temperature | °C | -5~+65 | |
| Storage Temperature | °C | -40~+85 | |
| Package | mm | 120×70×11 | |

Notes : 1. All insertion loss don't include connector loss. 2. Design guarantee.

Ordering Information

| Channel Space | Passband Profile | Channel Number | Start Channel Number | Common Pore Fiber Length | Ribbon/Fan Output Fiber Length | Connector |
|---------------|------------------|--|--|----------------------------|---------------------------------------|-------------------------|
| 1:100GHz | F:Flat-top G: | 32:32 channel 40:40 channel 48: 48 channel | C21、C*21、C22、 C*22、L71、L*71、 L72、L*72... (Refer to ITU channel table) | 1:1.0m customer specify | 0.5/0.5:0.5m/0.5m customer specify | FC,SC,LC,MU/ UPC,APC |