

AWG DWDM Module



AWG modules are based on the silica on silicon technology, the products offer high stability and reliability and compact package size.

The products are Telcordia GR-1221-CORE qualified, and RoHS compliant.

Features

- Accurate channel spacing
- High stability and reliability
- Large channel number
- Internal temperature controller

Applications

- WDM transmission
- Metro and long haul net works

Specifications

Parameter	Unit	Value	
Channel Spacing	GHz	100	
Central Wavelength		ITU-T GRID	
Channel Number		40	48
Wavelength Accuracy	nm	± 0.04	± 0.05
1dB Pass Band	nm	≥ 0.4	≥ 0.4
3dB Pass Band	nm	≥ 0.6	≥ 0.6
20dB Pass Band	nm	≤ 1.2	≤ 1.2
Insertion Loss ¹	dB	≤ 5.5	≤ 6.0
Ripple	dB	≤ 0.5	≤ 0.5
Uniformity	dB	≤ 1	≤ 1
Adjacent Crosstalk	dB	≥ 25	≥ 25
Non-adjacent Crosstalk	dB	≥ 30	≥ 30
Total Crosstalk	dB	≥ 22	≥ 22
Polarization Dependent Loss(PDL)	ps	≤ 0.5	≤ 0.5
PMD ²	ps/nm	≤ 0.5	≤ 0.5
Chromatic Dispersion ²	dB	± 15	± 20
Return Loss	dB	≥ 40	≥ 40
Power Supply	V	5.0 ± 0.25 DC	
Power Consumption(stable state)	W	≤ 6	
Power Consumption(startup state)	W	≤ 12.5	
Fiber	Input Port	mm	$\Phi 0.9$
	Output Ribbon		
	Fan Out	mm	$\Phi 0.9$
Operation Temperature	°C	$-5 \sim +65$	
Storage Temperature	°C	$-40 \sim +85$	
Package	mm	$150 \times 65 \times 16$	

Note :Insertion loss doesn't include connector loss. 2, Design guarantee.

Ordering information

AWG	—		—		—		—		—		—	
Channel Space	Passband Profile	Channel Number	Start Channel Number	Common Pore Fiber Length	Ribbel/Fan Out Fiber Length	Connector						
1:100GHz	F:Flat-top	40:40 channle 48:48 channle	C21、C'21、C22、 C'22、L71、L'71、 L72、L'72... (Refer to ITU channel table)	1:1.0m customer specify	1:1.0m customer specify	FC,SC,LC,MU/ PC,UPC,APC						