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-C0RE 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	
	Input Port	mm	Φ0.9	
Fiber	Output Ribbon			
	Fan Out	mm	Φ0.9	
Operational Temperature		°C	-5-+65	
Storage Temperature		°C	-40-+85	
Package		mm	150X65X16	

1 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