

## Thermal AWG DWDM Module

### Features

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

### Applications

- WDM transmission
- Metro and long haul network

### 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 <sup>1</sup>	nm	≤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
PDL	dB	≤0.5	≤0.5
PMD <sup>2</sup>	ps	≤0.5	≤0.5
Chromatic Dispersion <sup>2</sup>	ps/nm	±15	±20
Return Loss	dB	≥40	≥40
Supply Voltage	V	5.0±0.25DC	
Power Consumption(stable state)	W	≤6	
Power Consumption(startup state)	W	≤12.5	
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	150x65x16

Notes: 1. All the values are tested under room temperature.  
 2. All insertion loss don't include connector loss.

### Ordering Information

AWG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thermal AWG DWDM	Channel Space	Channel Number	Start Channel Number	Passband Profile	Common Pore Fiber Length	Ribbel/Fan Output Fiber Length	Connector
	1=100G	32=32 ch 40=40 ch 48=48 ch	C21, C <sup>+</sup> 21 C22, C <sup>+</sup> 22 ..... L71, L <sup>+</sup> 71 L72, L <sup>+</sup> 72 (Refer to ITU channel table)	F=Flat-top	1=1.0m Customer specify	0.5/0.5=0.5m/0.5m Customer specify	NA=None FP=FC/PC FA=FC/APC SP=SC/PC SA=SC/APC LP=LC/UPC LA=LC/APC MU=MU/UPC S= customized



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