

Athermal AWG DWDM Module

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

Applications

- WDM transmission
- Metro and long haul network

Specifications

Parameter	Unit	Value	
Channel Spacing	GHz	100	
Central Wavelength		ITU-T grid	
Channel number		40	
Wavelength Accuracy	nm	±0.05	
1dB Pass Band	nm	≥0.38	
3dB Pass Band	nm	≥0.58	
Insertion Loss ¹	nm	≤5.5	
Ripple	dB	≤0.5	
Uniformity	dB	≤1.5	
Adjacent Crosstalk	dB	≥23	
Non-adjacent Crosstalk	dB	≥30	
Total Crosstalk	dB	≥21	
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	120x70x11

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

Ordering Information

AAWG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Athermal 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 ⁺ 21 C22, C ⁺ 22 L71, L ⁺ 71 L72, L ⁺ 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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