AWG DWDM Module

Based on the silica on silicon technology and complemented with automated and robust packaging, Accelink's AWG module offers accurate channel alignment and high reliability with internal temperature controller.

Features

- High stability and reliability
- Internal temperature controller

Applications

- WDM transmission
- Metro and long haul net works

Specifications

Parameter		Unit	Value
Channel spacing		GHz	100
Channel number			40
Wavelength accuracy		nm	±0.04
1 dB pass band		nm	≥0.4
3 dB pass band		nm	≥0.6
20 dB passband		nm	≤1.2
Insertion loss[1]		dB	≤5.5
Ripple		dB	≤0.5
Uniformity		dB	≤1
Adjacent crosstalk		dB	≥27
Non-adjacent crosstalk		dB	≥35
Total crosstalk		dB	≥23
PDL		dB	≤0.5
PMD[2]		ps	≤0.5
Chromatic dispersion[2]		ps/nm	±10
Return loss		dB	≥45
Directivity		dB	≥50
Supply voltage		V	5.0±0.25 DC
Power consumption		W	≤6
Fiber	Common port	mm	Φ0.9
	Output ribbon	–	–
	Fan out	mm	Φ0.9
Operating temperature		℃	-10~65
Storage temperature		℃	-40~85
Package		mm	150×65×16

Note:1,All insertion loss referenced without connector . 2,Design guarantee.

Ordering information

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100:100GHz	F:Flat-top	32:32 channel 40:40 channel	C21、C+21、C22、C+22、L71、L+71、L72、L+72... Refer to ITU channel table in page 55	1:1.0m customer specifies	1:1.0/1.0m customer specifies	FC,SC,LC,MU/PC, UPC,APC
Channel spacing	Passband profile	Channel number	Start ITU channel number	Common port fiber length	Ribbon/fan out fiber length	Connector