1、Description

AAWG flat type no-heat module, which is based on Silicon PLC optical grating technology, is dense wavelength division multiplexing, using athermal configuration, no need to control the temperature of chip, with low insertion loss, high capacity, stable reliability.

2、Feature

- No need circuitry to control temperature
- High number of channels
- High Stability and reliability
- High isolation，low insertion loss

3、Specification

Parameter	Min.	Typical	Max.
Numbers of Channel	80		
Pass band wavelength (nm)	ITU standard		
Offset of Central wavelength (nm)	±0.04		
Spacing (GHz)	50		
1dB Bandwidth （nm)	0.18		
3dB Bandwidth（nm)	0.28		
Insertion Loss (dB)	/	/	6.7
Flatness（dB)	/	/	0.7
Uniformity （dB）@ITU CW	/	/	1.5
Adjacent Channel Isolation(dB)	25	/	/
Non-Adjacent, Channel Isolation (dB)	30	/	/
Total Isolation(dB)	22	/	/
Return Loss(dB)(with conn.)	45	/	/
PDL(dB)	/	/	0.50

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PDM(ps)	/	/	0.50
Operating Temperature Range (℃)	-5~65		
Storage Temperature Range(℃)	-40~85		
Fiber Type	Corning SMF 28e+ or equal (or customized)		
Fiber Length (m)	≥1.0 (or customized)		
Package dimension (mm) Max	150x70x12 or customized		

4、 Application

- DWDM Networks
- Channel add/drop
- Wavelength routing
- Fiber optical amplifier
- CATV optical system

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