100GHz DWDM 40/48-Channel Athermal AWG Module

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Broadband Systems
- Optical Add/Drop Multiplexing
- Telecommunication Networks
- Metro Networks
- DWDM Systems

SPECIFICATIONS

Parameters	Unit	Value
Center Wavelength	nm	1528~1640, ITU Grid
Channel Spacing	Hz	100G
Passband Width@1dB	nm	≥0.36
Passband Width@3dB	nm	≥0.51
Insertion Loss@ITU	dB	≤6.0
Adjacent Channel Isolation	dB	≥25
Non-adjacent Channel Isolation	dB	≥30
Channel Uniformity	dB	≤1.5
Optical Return Loss	dB	≥40
Directivity	dB	≥45
Polarization Dependent Loss	dB	≤0.5
Polarization Mode Dispersion	ps	≤0.5
Fiber Type	-	SMF-28 Fiber
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	300
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	mm	^{L}120x^{W}70x^{H}10

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

ORDERING INFORMATION (PN)

FDMA- N NN - CNN - C C NN -CC/CCC -CC/CCC

Channel Spacing	*Channel Number*	*Starting ITU Channel#*	*Input Fiber*	*Output Fiber*	*Fiber Length*	*Input Connector*	*Output Connector*
1= 100GHz	40= 40-Channel	C34= C34 Channel	B= 250um Bare Fiber	B= 250um Bare Fiber	05=0.5m	N=None	N=None
	48= 48-Channel	H40= H40 Channel	L= 900um Loose Tube	R= Ribbon Bare Fiber	10=1.0m	FC/APC=FC/APC Connector	FC/APC=FC/APC Connector
		C20= C20 Channel	T= 900um Tight Buffer	F=FanOut/900um Loose Tube	15=1.5m	SC/PC= SC/PC Connector	MPO=MPO Connector
		L00= L00 Channel			20=2.0m	LC/APC=LC/APC Connector	LC/APC=LC/APC Connector