

Features

- ▣ Low Insertion Loss
- ▣ Established silica-on-silicon
- ▣ Low PDL
- ▣ Low chromatic dispersion
- ▣ Telcordia GR-1221-CORE qualified

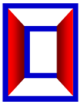


Applications

- ▣ DWDM transmission
- ▣ Wavelength Routing
- ▣ Optical add/drop multiplexing

Performance Specifications(Flatop Thermal AWG)

Parameter		Specifications		
		Min	Typ	Max
Number of Channels		40		
Number Channel Spacing (GHz)		100		
Cha. Center Wavelength (nm)		C-Band		
Clear Channel Passband(GHz)		±12.5		
Wavelength Stability (nm)		±0.005		
-1 dB Channel Bandwidth (nm)		0.4		
-3 dB Channel Bandwidth (nm)		0.24		
Optical Insertion Loss at ITU grid (dB)			4.5	6.0
Isolation (dB)	Adjacent	25		
	Non-Adjacent	29		
	Total Channel Isolation	22		
Insertion Loss Uniformity (dB)				1.5
Directivity(Mux Only) (dB)		40		
Insertion Loss Ripple (dB)				1.2
Optical Return loss (dB)		40		
PDL/Polarization Dependent Loss in Clear Channel Band (dB)			0.3	0.5
Polarization Mode Dispersion (ps)				0.5
Maximum Optical Power (mW)				23
MUX/DEMUX input/ output Monitoring range(dB/°C)		-35		+23
Operating Temperature(°C)		-5	+25	+65
Operating Humidity(%RH)		5		95
Storage Temperature(°C)		-40		+85
Storage Humidity(%RH)		5		95
Package Size(mm)		L120×W70×H10		
Size between screws(mm)		110 x 60		



1、 IL Represents the worst case over a +/-0.01nm window around the ITU wavelength;2、 PDL was measured on average polarization over a +/- 0.01nm window around the ITU wavelength.

Ordering Information: HC-AWG-A-B-C-D-E-F-G-H

A	B	C	D	E	F	G	H
Band	Spacing	1st Channel	Filter Shape	Package	Fiber Length	In/Out Connector	Number of Channels
C: C-Band	50: 50G	C60: C60	G:Gaussian	M:Module	05: 0.5m	00: None	16:16CH
L:L-Band	100: 100G	H59:H59	BG:Broad Gaussian	R:Rack	10: 1.0m	FA: FC/APC	32:CH
C+L: C+L-Band	200: 200G	C59: C59	F:Flat Top	S:Specify	15: 1.5m	FP: FC/PC	40:40CH
S::Specify	S:Specify	H58:H58			20:2m	SP: SC/PC	48:48CH
		S:Specify			25:2.5m	SA: SC/APC	S:Specify
					30:3m	LP: LC/PC	
					S:Specify	LA: LC/APC	
						SU:ST/UPC	
						S:Specify	