

## Features

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

## Applications

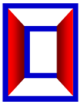
- ▣ DWDM transmission
- ▣ Wavelength Routing
- ▣ Optical add/drop multiplexing



## Performance Specifications(Flattop Thermal AWG)

Parameter		Specifications		
		Min	Typ	Max
Number of Channels		80		
Number Channel Spacing ( GHz )		50		
Cha. Center Wavelength ( nm )		C-Band		
Clear Channel Passband(GHz)		±6.5		
Wavelength Stability ( nm )		±0.005		
-1 dB Channel Bandwidth ( nm )		0.2		
-3 dB Channel Bandwidth ( nm )		0.3		
Optical Insertion Loss at ITU grid ( dB )			6.0	7.0
Isolation ( dB )	Adjacent	25		
	Non-Adjacent	29		
	Total Channel Isolation	22		
Insertion Loss Uniformity ( dB )				2.0
Directivity(Mux Only) ( dB )		40		
Insertion Loss Ripple ( dB )				1.5
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)		L150×W65×H16		

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	