

40-CH 100G Athermal AWG



Features

- Established Silica-on-Silicon Technology
- Extremely Low Crosstalk
- Low Insertion Loss
- Low PDL
- Low Chromatic Dispersion
- Telcordia GR-1221-CORE Qualified

Applications

- DWDM Transmission
- Wavelength Routing
- Optical Add/Drop Multiplexing

Optical Specification (Flattop Athermal AWG)

Parameter	Specs			Unit
	Min	Typ	Max	
Number of Channels	40			
Number Channel Spacing	100			GHz
Cha. Center Wavelength	C-band			nm
Clear Channel Passband	± 12.5			GHz
Wavelength Stability	± 0.05			nm
-1 dB Channel Bandwidth	0.36			nm
-3 dB Channel Bandwidth	0.51			nm
Optical Insertion Loss at ITU grid		4.5	6.0	dB
Adjacent Channel Isolation	25			dB
Non-Adjacent, Channel Isolation	30			dB
Total Channel Isolation	24			dB
Insertion Loss Uniformity			1.0	dB
Directivity(Mux Only)	40			dB
Insertion Loss Ripple			1.0	dB
Optical Return loss	40			dB
Polarization Dependent Loss in Clear Channel Band		0.3	0.5	dB
Polarization Mode Dispersion			0.5	ps
Maximum Optical Power			23	dBm
MUX/DEMUX input/ output Monitoring range	-35		+23	dBm
Operating Temperature	-5	+25	+65	°C
Operating Humidity	5		95	%RH
Storage Temperature	-40		+85	°C
Storage Humidity	5		95	%RH
Package Size	120 x 70 x 10			mm
Size between screws	110 x 60			mm

* IL Represents the worst case over a +/-0.1nm window around the ITU wavelength.

* PDL was measured on average polarization over a +/- 0.1nm window around the ITU wavelength.

Ordering Information

AWG	Band	Number of Channels	Spacing	1st Channel	Filter Shape	Package	Fiber Length	In/Out Connector
	C=C-Band L=L-Band D=C+L-Band X=Customize	16=16-CH 32=32-CH 40=40-CH 48=48-CH XX=Special	1=100G 2=200G 5=50G X=Special	C60=C60 H59=H59 C59=C59 H58=H58 XXX=special	G=Gaussian B=Broad Gaussian F=Flat Top	M=Module R=Rack X=Special	1=0.5m 2=1m 3=1.5m 4=2m 5=2.5m 6=3m S=Specify	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=LC/APC 6=LC/PC 7=ST/UPC S=Specify