

# Athermal AWG Module



## Key Features

- Available in gaussian & flat-top types
- Available for 50GHz ~ 200GHz Channel Spacing
- O, C & L-band operating wavelength  
: Available for customized wavelength plan
- Mechanical temperature compensation
- Guaranteed reliability by KOLAS
- Patented by NEON's own tech. from -40~85 degree C



## Specification

Parameters	Specification			Unit	Remark
	MIN	TYP	MAX		
Number of Channels	20, 32, 40, or 48			CH	20, 32, 40, 48ch or custom channel are all available
Channel Spacing	100			GHz	50GHz, 200GHz or custom spec are available
Center Wavelength	192.1		196.0	THz	Any ITU Channel or Custom wavelength plan are available.
Reference Passband	12.5		12.5	GHz	
Wavelength Accuracy	-80		+80	pm	Offset from defined $\lambda$ : -40~85°C
Insertion Loss	Gaussian		3.5	dB	
	Flat-top		5.5	dB	
Insertion Loss Uniformity			1.0	dB	
PDL			0.7	dB	
1dB Bandwidth	Gaussian	0.24		nm	
	Flat-top	0.41		nm	
3dB Bandwidth	Gaussian	0.42		nm	
	Flat-top	0.61		nm	
Adjacent Channel Isolation	Gaussian	26		dB	
	Flat-top	25		dB	
Non-Adjacent Channel Isolation	Gaussian	30		dB	
	Flat-top	28		dB	
Return Loss			-40	dB	Over All Channels and PDL

\*Available for customized specification