



Features

- Low Insertion Loss
- Low Polarization Loss
- High Channel Isolation
- High Reliability

Applications

- DWDM Network
- Data Center Network

AWG – Arrayed waveguide gratings are commonly used as Mux Demux in wavelength division multiplexed (WDM) systems. It is a completely passive module that has high stability and reliability, also temperature compensation passively with no requirement on electrical control.

AWG is ideal for increasing the fiber capacity between two sites without the need to install or lease additional fibers. The complete passive solution requires no power cabling or configuration; it is a true plug-and-play solution.

Specifications

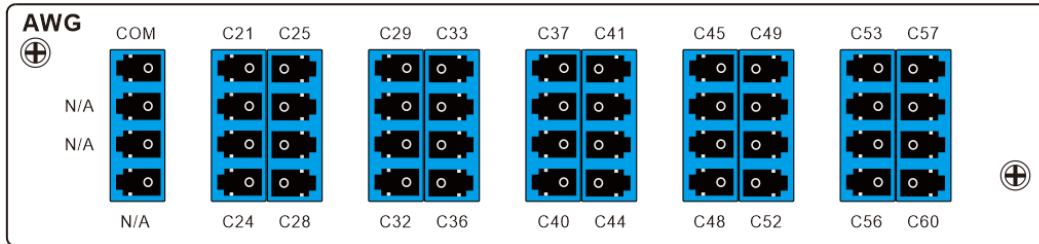
Parameter	Specification	Unit
Max Optical Channel Numbers	48	
Channel Spacing	100	GHz
Channel Frequency	± 12.5	GHz
Wavelength Accuracy	≤ 0.05	nm
Channel Insertion Loss	≤ 5.5	dB
Adjacent Channel Isolation Ratio	≥ 25	dB
Non-Adjacent Channel Isolation Ratio	≥ 30	dB
Total Isolation	≥ 23	dB
Flatness	≤ 1.5	dB
Return Loss	≥ 45	dB
Directivity	≥ 50	dB
Occupied Slot Number	2	
Optical Interface	LC/PC	
Power Consumption	3	W

Note: The specifications provided are for general applications with a cost-effective approach. If you need to narrow or expand the tolerance, coverage, limit, or qualifications, please [click this link](#):

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Layout (2 Slot)



Ordering Information

Prefix	Channels	Beginning Channel	0	0	0	Connector Type
RAWG-	8 Channels = 08 40 Channels = 40	C21 = C21 C41 = C41				LC/PC = 1 LC/APC = 2 FC/PC = 3 FC/APC = 4 Special = 0