

ARRAYED WAVEGUIDE GRATING (AWG)

Features

- Stable & accurate wavelength response
- Excellent loss uniformity
- Low power consumption
- Customized design available on request

Applications

- DWDM system
- Long haul/Metro networks
- ROADM



Specifications

Parameter	Specification	Unit
Operating Frequency Range	192000~196000	GHz
Center Wavelength	ITU-T grid	nm
Channel Spacing	100	GHz
Channel Passband	±12.5	GHz
Gaussian/Flat-top Type	Gaussian Flat-top	
Channel Insertion Loss	Max 5.0 6.0	dB
Passband Ripple	Max 1.0 0.6	dB
Insertion Loss Uniformity	Max 1.5 1.2	dB
Adjacent Channel Isolation	Min 25 26	dB
Non-adjacent Channel Isolation	Min 30 35	dB
Polarization Dependent Loss	Max 0.5 0.5	dB
Polarization Mode Dispersion	Max 0.5 0.5	ps
Return Loss	Min 45 45	dB
Directivity	Min 45 45	dB
CD	Max ±20 ±20	ps/nm
Power Consumption	Max 5	W
Operating Temperature Range	0~+70	°C
Storage Temperature Range	-40~+85	°C
Package Dimension (L*W*H)	100*65*12	mm

1. All values referenced without connector.

Order Information

AWG-A - B - C - D - E - F - G

A	Channel Spacing	1: 100GHz 2: 200GHz 5: 50GHz
B	Number of Channels	40: 40ch 32: 32ch
C	Starting Channel	21: ITU ch-21 22: ITU ch-22
D	Gaussian/Flat-top Type	G: Gaussian F: Flat-top
E	Input Fiber Type	1: 250 μm bare fiber 2: 900 μm tight buffer fiber
F	Output Fiber Type	1: Bare ribbon fiber 2: Ribbon fiber with fan-out
G	Connector Type	0: Without connector 1: FC/PC 2: FC/UPC 3: FC/APC 4: SC/PC 5: SC/UPC 6: SC/APC 7: ST 8: LC 9: MU X: Customized