Opto-Link
Corporation Ltd

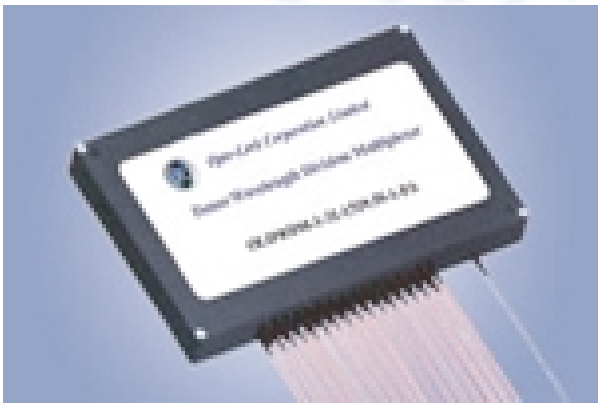
AWG DWDM

Channel Spacing: 100GHz

The Array Waveguide Grating Multiplexer/Demultiplxer (AWG DWDM) is manufactured based on the silica on silicon technology, complemented with automated and robust packaging. It offers low insertion loss, accurate channel alignment and high reliability with internal temperature controller.

Types

- 100GHz



Applications

- WDM Transmission
- Metro Networks
- Long Haul Networks

Features

- Low Insertion Loss
- High Return Loss
- High Reliability
- Internal Temperature Controller
- Excellent Environmental Stability

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SPECIFICATIONS

Arrayed Waveguide Grating DWDM (100GHz)

Parameter	Values	Units
Channel Spacing	100	GHz
Channel Number	40	
Wavelength Accuracy	+/-0.04	nm
1 dB Passband	>0.4	nm
3 dB Passband	>0.6	nm
20 dB Passband	<1.2	nm
Insertion Loss	<5.5	dB
Ripple	<0.5	dB
Uniformity	<1.0	dB
Adjacent Crosstalk	>27	dB
Non-Adjacent Crosstalk	>35	dB
Total Crosstalk	>23	dB
PMD	<0.5	ps
PDL	<0.5	dB
Chromatic Dispersion	+/-10	ps/nm
Return Loss	>45	dB
Directivity	>50	dB
Supply Voltage	5.0 +/- 0.25	V DC
Max. Power Consumption	6	W
Operating Temperature	-10 to +65	°C
Storage Temperature	-40 to +85	°C
Dimensions	150 x 65 x 16	mm

*Above specifications are for device without connectors.

ORDERING CODES

OLDWDM - AW – [ ] – [ ] – [ ] – [ ] – [ ]

Channel Spacing	Code
100GHz	1

Channel Number	Code
32 Channels	32
40 Channels	40

Center Wavelength	Code
ITU-T Grid	XX

Pigtail Length	Code
Customer Specify	XX

Connector Type	Code
No Connector	NC
FC/PC	FP
SC/PC	SP
FC/APC	FA
SC/APC	SA
LC/PC	LP
MU/PC	MP
Others	XX

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