

AAWG 100G DWDM Mux/Demux Module

Product Description

Agiltron's Wavelength Division Multiplexer (WDM) is based on AWG technology. This proven technology offers wide channel bandwidth, flexible channel configuration, low insertion loss, and high isolation. This DWDM series modules are passive optical multiplexer/demultiplexer designed for metro access applications that represent the state of the art in fiber optics design. This Mux/Demux module multiplexes and demultiplexes multiple DWDM wavelengths of 100GHz channel spacing into a ring or point-to-point network, ideal for telecommunications and networking.

The Mux/Demux module is packaged with a 1RU, 19" rack mount chassis for simple installation and modularity. This chassis based system offers network equipment manufacturers a more scalable and higher-density solution to add DWDM capability to their existing and new networks with simple pluggable interface.



Features

- 100 GHz Channel Spacing
- High Channel Isolation
- Low Insertion Loss
- Highly Stable & Reliable

Performance Specifications

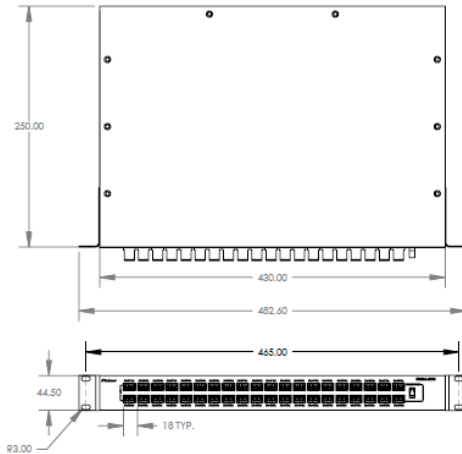
Parameters	Value	
	Gaussian	Flat top
Insertion Loss – passband (dB)	≤ 3.7	≤ 4.5
Operating Wavelength	DWDM channels	
Channel Bandwidth(nm)	+/-0.11	
Uniformity(dB)	≤1.0	
Isolation @Add/Drop Channel (dB)	Adjacent	≥30
	Non-adjacent	≥40
PDL(dB)	≤0.5	
PMD(ps)	≤0.5	
Directivity (dB)	≥50	
Return Loss (dB)	≥45	
Power Handling (mW)	300	
Operating Temperature (° C)	0 ~ +70	
Storage Temperature (° C)	-40 ~ +85	
Dimension (mm)	W481.8xD261.2xH44	

Applications

- Add/Drop Channels
- Dense WDM Systems
- CATV Fiberoptic Links

AAWG 100G DWDM Mux/Demux Module

Mechanical Dimensions



40-channel in 1RU:
 Width of Panel: 484mm
 Depth: 260mm
 1U height: 44mm

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

DWDM-	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1	1	8
	Ch. Spacing	Number of Channels	Type	1st ITU Channel Number	Configuration	Monitor	Connector
	100G=1	16 Channel=16 40 Channel=40 46 Channel=46	Flat top = 1 Gaussian = 2	Refer ITU Channel Table For example, 1560.61n=C21 1588.98nm=C23	1310 port = 1 Special=0	With monitor port = 1 Special=0	Duplex LC=8 Special=0