0407 AWG Multiplexer

G2202-S

50 GHz C-band 96 CH Thermal/ Athermal AWG

Athermal AWG series products take silica-on-silicon planar technology and is built with high performance and reliability, which can be used in general DWDM systems. Based on the athermal design and packing, it is totally passive product which does not require any electrical power or temperature control. For 50 G AAWG Mux/Demux, it supports up to 40-CH based on a single chipset. Customized wavelengths, package and fiber options are also available.

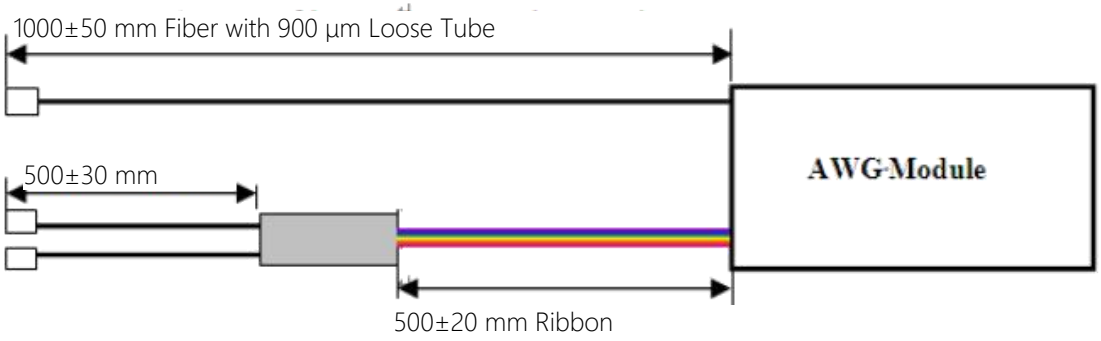
FEATURES

- Low Insertion loss
- High Channel Isolation
- High Stability and Reliability

USE IN

- WDM Network
- Telecommunication
- Access Network

MECHANICAL DRAWING



Number of Channels	96
Number Channel Spacing	50 GHz
Operating Wavelength Range	C-band
Clear Channel Passband	±6.25 GHz
Wavelength Stability	±0.05 nm
-1 dB Channel Bandwidth	0.20 nm min.
-3 dB Channel Bandwidth	0.28 nm min.
Optical Insertion Loss at ITU Grid	12 dB max.
Insertion Loss Uniformity	1.3 dB max.
Adjacent Channel Isolation	25 dB min.
Non-Adjacent, Channel Isolation	30 dB min.
Total Crosstalk	20 dB min.
Directivity(Mux Only)	40 dB min.
Polarization Dependent Loss in Clear Channel Band	0.5 dB max.
Optical Return Loss	45 dB min.
Polarization Mode Dispersion	1.0 ps max.
Chromatic Dispersion	+20 ps/nm max.
Max. Input Optical Power	500 mW max.
Operating Temperature	-5°C to +65°C
Storage Temperature	-40°C to +85°C
Operating Humidity	85% RH max.
Storage Humidity	95% RH max.
Optical Connector	LC/UPC, SC/APC, FC/APC, or Custom
Fiber Length	1 m, or Custom
Fiber Type	SMF28 Fiber
Housing Dimensions	120x70x10.5 mm