

0407 AWG Multiplexer



50 G C-band 16 CH Athermal AWG Module in 1U Rackmount

Athermal AWG (AAWG) have equivalent performance to standard Thermal AWG (TAWG) but require no electrical power for stabilization. They can be used as direct replacements for thin film filters (filter type DWDM module) for cases where no power is available, also suitable for outdoor applications over -30 to +70 degree in access networks. The Athermal AWG (AAWG) provide excellent optical performance, high reliability, ease of fiber handling and power saving solution in a compact package.

FEATURES

- Low Insertion Loss
- Established Silica-on-silicon
- Low PDL
- Low Chromatic Dispersion
- Telcordia GR-1221-CORE Qualified

USE IN

- DWDM Transmission
- Wavelength Routing
- Optical Add/Drop Multiplexing

ORDERING OPTIONS

G2203-S-XX

XX: Filter Shape

01, 02, 03

Example

01=Gaussian

02= Broad Gaussian

03= Flat Top

Number of Channels	16
Number Channel Spacing	50 GHz
Operating Wavelength Range	C-band
Clear Channel Passband	±6.5 GHz
Wavelength Stability	±0.005 nm
-1 dB Channel Bandwidth	0.20 nm min.
-3 dB Channel Bandwidth	0.3 nm min.
Optical Insertion Loss at ITU Grid	7.0 dB max.
Insertion Loss Uniformity	2.0 dB max.
Adjacent Channel Isolation	25 dB min.
Non-Adjacent, Channel Isolation	29 dB min.
Total Crosstalk	22 dB min.
Directivity (Mux Only)	40 dB min.
Polarization Dependent Loss in Clear Channel Band	0.5 dB max.
Optical Return Loss	40 dB min.
Polarization Mode Dispersion	0.5 ps max.
Max. Optical Power	23 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
Housing Dimensions	440(L)x200(W)x44(H) mm