

# 0607 AWG Multiplexer

G2203-S



## 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
- Optical Add/Drop Multiplexing
- Wavelength Routing

### 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	±0.1 nm
Wavelength Stability	±0.05 nm
-1 dB Channel Bandwidth	0.36 nm min.
-3 dB Channel Bandwidth	0.51 nm min.
Optical Insertion Loss at ITU Grid	4.5 dB typ.; 6.0 dB max.
Insertion Loss Uniformity	1.0 dB max.
Adjacent Channel Isolation	25 dB min.
Non-Adjacent, Channel Isolation	30 dB min.
Total Channel Isolation	24 dB min.
Insertion Loss Ripple	0.5 dB max.
Directivity (Mux Only)	45 dB min.
PDL	0.3 dB typ.; 0.5 dB max.
Return Loss	40 dB min.
Polarization Mode Dispersion	0.5 ps max.
Power Handling	23 mW max.
MUX/DEMUX In/Out Monitoring Range	-35 dB/°C min.; +23 dB/°C max.
Operating Temperature	-5°C to +65°C (-40°C to +85°C Optional)
Storage Temperature	-40°C to +85°C
Operating Humidity	5% to +95% RH
Dimension	120x705x10 mm or 19" 1U Rackmount
Size between Screws	110x60 mm

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**